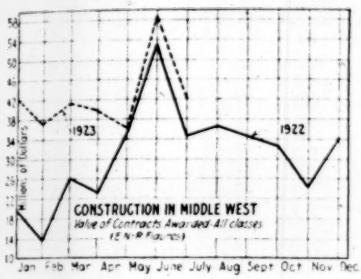
CONSTRUCTION NEWS

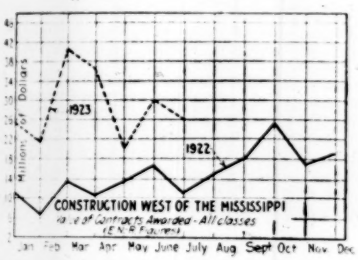
Engineering News-Record, August 16, 1923

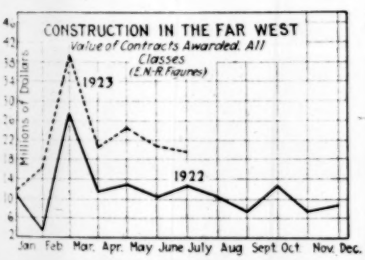
The Construction Barometer

Seasonal Decline in Contracts—South Active

VALUE of contracts awarded in July declined everwhere except in the South where heavy awards of buildings and miscellaneous projects produced a sharp rise.. The steepest drop was in the Middle West, although the July volume there was heavier than in May. The situation with respect to cost is given on the page to the left of this.


CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded All classes
(E.N.R Figures)
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded All classes
(E.N.R Figures)
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded All Classes
(E.N.R Figures)
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

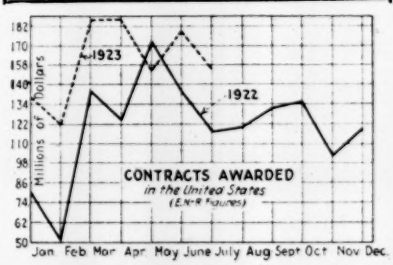
Week Ended	Public Work	Private Work	Total Contracts
July 26	23,772,000	13,340,000	37,112,000
Aug 2	17,362,000	8,888,000	26,250,000
Aug. 9	$14,514,000	$18,552,000	$33,066,000
3 Weeks	$55,648,000	$40,780,000	$96.428.000

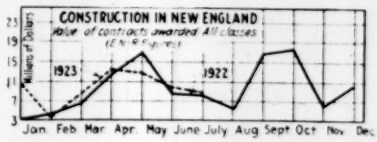
LARGE BUILDING CONTRACTS—NUMBER AND VALUE

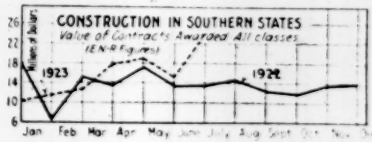
Week Ended	No.	Public Work	No.	Private Work
July 26	13	3,808,000	18	8,285,000
Aug. 2	10	3,703,000	19	6,691,000
Aug. 9	12	$4,681,000	34	$13,523,000
3 weeks	35	$12,192,000	71	$28,499,000

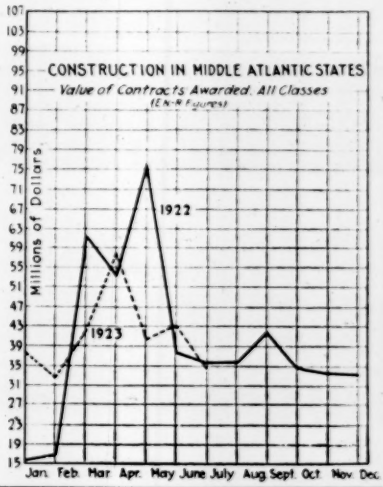
BASE PRICES UNCHANGED IN FIVE WEEKS

	Quoted On Aug. 9, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	58.00	59.00	July 5
Fir, San Fran., M.ft.	41.00	39.00	Apr. 5
Common labor, hr.	.54	.53	June 28




CONSTRUCTION IN NEW ENGLAND
Value of contracts awarded All classes
(E.N.R Figures)
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded All classes
(E.N.R Figures)
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION IN MIDDLE ATLANTIC STATES
Value of Contracts Awarded All Classes
(E.N.R Figures)
1922
1923
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 21	Detroit, Mich.	July 26
Aug. 21	New York	Aug. 16
Aug. 21	Mount Pleasant, N. Y.	Aug. 16
Aug. 21	Brooklyn, N. Y.	Aug. 16
Aug. 22	Andrews, S. C.	July 26
Aug. 22	Joy, Ill.	Aug. 2
Aug. 22	Central Islip, N. Y.	Aug. 2
Aug. 24	Bartlett, Ill.	Aug. 9
Aug. 27	San Diego, Calif.	July 26
Aug. 27	Pennington, N. J. Adv. Aug. 16.	Aug. 16
Aug. 27	Winner, S. D.	Aug. 16
Aug. 28	Black River Falls, Wis.	Aug. 9
Aug. 29	Watertown, S. D. Adv. July 26 to Aug. 16.	July 26
Sept. 1	Pittsfield, Ill. Adv. Aug. 16.	Aug. 16
Sept. 4	Mount Vernon, N. Y. Adv. Aug. 16.	Aug. 16
Sept. 11	Hoboken, N. J. Adv. Aug. 9 and 16.	Aug. 9

SEWERS

Bids Close		See Eng. News-Record
Aug. 18	Wash., D. C.	Aug. 16
Aug. 19	Alliance, O.	Aug. 2
Aug. 20	St. George, N. Y.	Aug. 16
Aug. 21	Toronto, Ont.	Aug. 2
Aug. 21	Nashville, Tenn.	Aug. 9
Aug. 21	Phila., Pa.	Aug. 16
Aug. 22	Andrews, S. C.	July 26
Aug. 22	High Point, N. C.	Aug. 2
Aug. 24	Spencer, W. Va.	July 26
Aug. 28	Salt Lake City, Utah	Aug. 16

WASTE DISPOSAL

Aug. 28	St. Louis, Mo.	Aug. 2
Sept. 4	Lakewood (Cleveland P. O.), O.	Aug. 16

BRIDGES

Aug. 20	Minneapolis, Minn.	Aug. 2
Aug. 20	Illinois	Aug. 9
Aug. 23	Clearwater, Fla.	July 26
Aug. 27	Keyport, N. J. Adv. Aug. 9 and 16.	Aug. 9
Aug. 28	Alabama	Aug. 16
Aug. 29	Illinois	Aug. 9
Aug. 29	Mohawk, N. J. Adv. Aug. 16.	Aug. 16
Aug. 29	North Carolina	Aug. 16
Sept. 5	Freehold, N. J. Adv. Aug. 16.	Aug. 16
Sept. 11	New Jersey	July 26
Nov. 30	Sydney, Australia	Apr. 19

EXCAVATION, DRAINAGE, IRRIGATION

Aug. 25	Green Bay, Wis.	Aug. 16
Aug. 30	New Iberia, La.	Aug. 9

STREETS AND ROADS

Aug. 20	New Jersey Adv. Aug. 9 and 16.	Aug. 9
Aug. 20	San Diego, Calif.	Aug. 9
Aug. 20	Utah	Aug. 9
Aug. 20	Illinois	Aug. 9
Aug. 20	Little Rock, Ark.	Aug. 16
Aug. 20	Nephi, Utah	Aug. 16
Aug. 20	Michigan	Aug. 16
Aug. 21	Virginia	Aug. 2
Aug. 21	New Kensington, Pa.	Aug. 9
Aug. 21	Maryland Adv. Aug. 9 and 16.	Aug. 9
Aug. 21	Virginia	Aug. 9
Aug. 21	Michigan	Aug. 9
Aug. 21	Wilmington, Del.	Aug. 9
Aug. 21	Utah	Aug. 9
Aug. 21	Laurel, Md.	Aug. 9

Bids Close		See Eng. News-Record
Aug. 21	Henderson, Ky. Adv. Aug. 16.	Aug. 16
Aug. 21	Barnsdall, Okla.	Aug. 16
Aug. 21	Columbus, O.	Aug. 16
Aug. 21	Massachusetts	Aug. 16
Aug. 22	Rhode Island	Aug. 9
Aug. 22	Vernon, Tex.	Aug. 16
Aug. 23	Clearwater, Fla.	July 26
Aug. 23	Yakima, Wash.	July 26
Aug. 23	Dallas, Tex.	Aug. 9
Aug. 23	Michigan	Aug. 16
Aug. 23	Connecticut Adv. Aug. 16.	Aug. 16
Aug. 23	Pulaski, Tenn.	Aug. 16
Aug. 23	Johnson City, Tex.	Aug. 16
Aug. 23	Vermont Adv. Aug. 16.	Aug. 16
Aug. 23	New York, N. Y.	Aug. 16
Aug. 24	New Mexico	Aug. 16
Aug. 24	Angleton, Tex.	Aug. 16
Aug. 24	Ohio	Aug. 16
Aug. 24	Chicago, Ill.	Aug. 16
Aug. 27	Sheridan, Wyo.	Aug. 9
Aug. 27	Bessemer, Ala.	July 26
Aug. 27	Iola, Kan.	Aug. 2
Aug. 27	San Diego, Calif.	Aug. 9
Aug. 27	New Jersey Adv. Aug. 9 and 16.	Aug. 9
Aug. 27	California	Aug. 16
Aug. 27	Marlow, Okla.	Aug. 16
Aug. 27	Bonham, Tex.	Aug. 16
Aug. 28	St. Louis, Mo.	Aug. 2
Aug. 28	Louisiana	Aug. 9
Aug. 28	Eastland, Tex.	Aug. 9
Aug. 28	Pensacola, Fla. Adv. Aug. 16.	Aug. 16
Aug. 28	Brenham, Tex	Aug. 16
Aug. 28	Florida	Aug. 16
Aug. 28	Paris, Tex.	Aug. 16
Aug. 28	South Dakota	Aug. 16
Aug. 29	Kentucky	Aug. 9
Aug. 29	Kentucky	Aug. 2
Aug. 29	Delaware Adv. Aug. 16.	Aug. 9
Aug. 29	Illinois	Aug. 9
Aug. 29	North Carolina Adv. Aug. 16.	Aug. 16
Aug. 29	Morristown, N. J. Adv. Aug. 16.	Aug. 16
Aug. 30	Pittsburgh, Tex.	Aug. 9
Aug. 30	Quebec	Aug. 16
Aug. 31	Beaumont, Tex.	Aug. 16
Aug. 31	Garnett, Kan.	Aug. 16
Sept. 1	Mt. Pleasant, Ia.	Aug. 16
Sept. 4	San Jose, Calif.	Aug. 9
Sept. 4	San Diego, Calif.	Aug. 16
Sept. 5	Freehold, N. J. Adv. Aug. 16.	Aug. 16
Sept. 11	Alabama	Aug. 16

INDUSTRIAL WORK

Aug. 20	Anna, Ill.	Aug. 16
Aug. 22	Phila., Pa.	Aug. 9
Aug. 28	Dunseith, N. D.	Aug. 16

BUILDINGS

Aug. 18	Wake Forest, N. C.	Aug. 16
Aug. 20	Williamstown, Mass.	July 26
Aug. 20	Ft. Worth, Tex.	July 26
Aug. 20	Duquoin, Ill.	Aug. 16
Aug. 20	Kinston, N. C.	Aug. 16
Aug. 21	Hartford, Conn.	July 19
Aug. 21	Dayton, O.	Aug. 9
Aug. 21	New York, N. Y.	Aug. 16
Aug. 22	Cedar Rapids, Ia.	Aug. 2
Aug. 23	Harrisburg, Pa. Adv. July 26 to Aug. 16.	Aug. 2
Aug. 25	Ridgway, Pa.	Aug. 9
Aug. 25	Denton, Tex.	Aug. 16
Aug. 25	San Diego, Calif.	Aug. 16
Aug. 27	Murray, Ky.	Aug. 16
Aug. 28	Akron, O.	Aug. 2
Aug. 28	Salisbury, Md.	Aug. 9
Aug. 28	New York, N. Y.	Aug. 9
Aug. 28	Iron River, Mich.	Aug. 16
Aug. 30	Milwaukee, Wis.	Aug. 16
Sept. 4	Wende (Millgrove P. O.), N. Y.	July 26
Sept. 5	Thiells, N. Y. Adv. Aug. 9 and 16.	Aug. 9
Sept. 5	Eastview, N. Y. Adv. Aug. 16.	Aug. 16
Sept. 15	Dallas, Tex.	July 26
Sept. 15	Sedalia, Mo.	Aug. 16
Sept. 28	Institute, W. Va.	July 26
Sept. 28	Pruntytown (Grafton P. O.), W. Va.	Aug. 2
Sept. 28	Montgomery, W. Va.	Aug. 9
Sept. 28	Institute, W. Va.	Aug. 9
Nov. 1	Ft. Worth, Tex.	July 12
Nov. 1	Dallas, Tex.	Aug. 2

FEDERAL GOVERNMENT WORK

Aug. 20	Shed, etc.—Wash., D. C.	Aug. 2
Aug. 22	Dredging—Norwalk, Conn. Adv. July 26 to Aug. 16.	July 26
Aug. 22	Sub Post Office—Memphis, Tenn.	July 26
Aug. 23	Lock—Pittsburgh, Pa. Adv. July 26 to Aug. 16.	Aug. 2
Aug. 28	Superstructure—Ludington, Mich. Adv. July 19 to Aug. 16.	July 26

Bids Close		See Eng. News-Record
Aug. 28	Repairs—Phila., Pa.	Aug. 9
Aug. 30	Pipe—Mobile, Ala. Adv. Aug. 9 and 16.	Aug. 9
Aug. 30	Dredging—Boston, Mass. Adv. Aug. 2, 9 and 16.	Aug. 2
Aug. 30	Dredging—Petaluma, Calif.	Aug. 9
Aug. 31	Breakwater—Wrangell, Alaska	Aug. 16
Sept. 6	Dredging—Oakland, Calif.	Aug. 16
Sept. 11	Dredging—Galveston, Tex. Adv. Aug. 16.	Aug. 16
Sept. 12	Dam — Klamath Falls, Ore.	Aug. 9
Sept. 12	Siphon—Mitchell, Neb.	Aug. 9
Sept. 12	Pistons, etc. — Denver, Colo.	Aug. 9
Sept. 12	Storage Bins, etc.—Pearl Harbor, H. T.	July 19

MISCELLANEOUS

Aug. 17	Foundation Wall, etc. — New York, N. Y.	Aug. 9
Aug. 21	Gravel—Baton Rouge, La.	Aug. 9
Aug. 22	Pier—Charleston, S. C. Adv. Aug. 2 to 16.	Aug. 2
Aug. 23	Changes to Railroad Structure—Brooklyn, N. Y.	Aug. 16
Aug. 23	Heating and Ventilating Apparatus—New York, N. Y.	Aug. 16
Aug. 24	Steam Piping—Milwaukee, Wis.	Aug. 16
Aug. 27	Dock and Yacht Basin — Sanford, Fla.	Aug. 16
Aug. 28	Underpass—Alabama	Aug. 9
Aug. 31	Cable and Accessories — Melbourne, Australia	June 21
Sept. 11	Oswego, N. Y. Adv. Aug. 16.	Aug. 16
Sept. 12	Tunnel—Colorado Adv. Aug. 9 and 16.	Aug. 9
Oct. 6	Volt Insulators—Melbourne, Australia Adv. Aug. 16.	Aug. 16
Feb. 28	Headworks — Wellington, New Zealand Adv. May 24, 31, Aug. 9 and 16.	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Oneida—Water Bd. retained N. Hill, Jr., engr., 112 East 19th St., New York City, to investigate and report on new water system. $1,500,000.

N. J., Pennington—Plans laying 4 and 6 in. mains in various streets, etc. $35,000. Remington & Vosburg, 601 Market St., Camden, engrs.

N. C., Laurinburg—Authorized $150,000 bond issue for water and sewer improvements.

N. C., Raleigh—Rejected bids pumping equipment, concrete surge tank and intake for Lake Raleigh. $40,000. Will readvertise. W. C. Olsen, Kinston, engr. Noted July 19.

Ky., Elizabethtown—Plans to improve waterworks plant. $45,000. B. H. Klyce, 4th and 1st Natl. Bank Bldg., Nashville, Tenn., engr.

Kan., Goff—Making preliminary plans waterworks system. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Kan., Osage City—Voted $50,000 bonds to increase waterworks capacity from 40 mg. to 100 mg.

Neb., Kearney—Having preliminary plans prepared waterworks system. $75,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Mo., Braymer—Defeated $49,000 bonds for waterworks. Noted July 19.

Mo., Jamesport—Having preliminary plans prepared waterworks and sewers. $20,000 and up. Engineer not announced.

Mo., Maysville—Aug. 22, to vote on $44,000 bonds for extensions and improvements to waterworks. Shockley Eng. Co., Graphic Arts Bldg., Kansas City, engrs. Noted July 12 under "Sewers."

Mo., Ridgeway—Making preliminary plans waterworks and sewers. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Tex., Dallas—Plans lake to be formed by dam on Mountain Creek near Oak Cliff, 40,000,000,000 gal. capacity, (primarily for pleasure resort, but could be used for water supply if needed). $250,000. E. A. Kingsley, city engr.

Okla., Holdenville—Election soon to vote on $85,000 bonds enlarging filter plant, new pumping equipment and water main extensions. Macintosh Co., 1st Natl. Bldg., Oklahoma City, engrs.

Okla., Ramona—Election Aug. 14, to vote on $50,000 bonds for 8,000 ft. 4 in. and 6,000 ft. 6 in. c.i. water mains, 2 triplex pumps and well. E. W. Baker, 1st Natl. Bank Bldg., Oklahoma City, engr.

Ont., Timmins—Plans 10,000 ft. of 6 in c.i. mains, hydrants, etc. $25,000. C. R. Murdock, Town Hall, engr.

BIDS DESIRED

New York — Aug. 21, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Queens Blvd., etc., Queens Boro. Former bids withdrawn. Noted Aug. 2.

N. Y., Brooklyn — Aug. 21, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ocean Parkway, here.

N. Y., Mount Pleasant—Aug. 21, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, removing old Croton Aqueduct arch over Bway. near Tarrytown, here, and installing inverted steel syphon venturi meter. Former bids withdrawn. Noted Aug. 2.

N. Y., Mount Vernon — Sept. 4, by Bd. Water Supply, 19 Prospect Ave., furnishing all materials except c.i. pipe and special castings to be furnished by city, and performing all labor required for constructing complete c.i. mains with valves, hydrants, etc. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. Aug. 16.

N. J., Pennington—Aug. 27, by Boro Council Fire Hall, altering and extending present water distribution system. Remington & Vosbury, 601 Market St., Camden, engrs.; adv. E. N.-R., Aug. 16.

O., Columbus—See "Streets and Roads."

Ill., Pittsfield—Sept. 1, earth dam, concrete gate chamber, conduit, spillway, filter and pumping plants, etc. Caldwell Eng. Co., Jacksonville, engrs.; adv. E. N.-R. Aug. 16.

S. D., Winner—Aug. 27, improving waterworks system, incl. supply pipe line and collecting system. $40,000. Prince-Nixon Eng. Co., Peters Trust Bldg., Omaha, Neb., consult. engrs.

Tex., Dallas—Koch & Fowler, engrs., Central State Bank, taking bids steel tank and tower or concrete tank and pumping unit, new addition to Dallas near Midway Rd. and Lovers Lane, for J. P. Stephenson, c/o Engineers. $150,000-$200,000.

BIDS RECEIVED

Wis., Milwaukee—For 200 g.p.m. sump pump from C. W. Miller, 209 Grand Ave., $2,837; coal and ash handling equipment, from Stephens Adamson Mfg. Co., Ridgway St., Aurora, Ill., $41,200.

O., Cleveland—Cuyahoga Co., 24,736 ft. 8 and 12 in. c.i. mains in Impvt. 41 of Co. Sewer Dist., from D. Pfahl & Co., Berea Rd., $153,405.

Mo., St. Louis—See "Streets and Roads."

CONTRACTS AWARDED

Conn., Rockville—Rockville Water Co., steel stand pipe, 60 ft. high, 30 ft. diam., concrete foundation, to Walsh Steam Boiler Wks., Holyoke, Mass. Engrs. est. $15,000.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, New York, mains in Ave. D, Huntley Dr., Bradford Pl., Newtown, 58th, and head of Vleigh Rds., Woolsey, 12th, Gardiner, Hamm, Maurice, 12th, 32nd, 34th and 59th Aves. Chauncey, Crescent, Howland, Merchant, Sunswick, 15th, 118th, 164th, 165th, 189th and 206th Sts., here, to J. A. Gregory, Inc., 361 East 124th St., New York, $27,649. Noted Aug. 2.

N. C., Raleigh—Constructing 4 filtering plant, 500,000 gal. capacity each, conditioning 7 filters, constructing coagulation basin, filter tubs and buildings, to Tucker & Laxton, Realty Bldg., Charlotte, $124,178.

Tex., Marlin—For 1 m.g. filtration plant and pumphouse, to McCall-Moore Eng. Co., Amicable Bldg., Waco, $20,155. Noted July 19.

Sewers

PROPOSED WORK

N. C., Laurinburg—See "Waterworks."

Fla., Bartow—Voted $90,900 bonds for sanitary sewerage system. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs. Noted June 28.

Ia., Des Moines—City did not open bids on Aug. 2 for Southwest Sewerage System, because of legal entanglements. $600,000. Will readvertise later. K. C. Kastberg, city engr. Noted July 26.

Kan., Topeka—Having survey made of entire city to establish needs. W. E. Baldry, city engr., in preliminary estimate states city requires 176 mi. sewers. C. A.

Waterworks (Continued)

Haskins, 3929 Oak St., Kansas City, Mo., engr.

Neb., Kearny—Having preliminary plans prepared storm sewerage system. $170,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs. Noted July 5.

Mo., Braymer — Defeated $36,000 bonds for sewers. Noted July 19 under "Waterworks."

Mo., Jamesport—See "Waterworks."

Mo., Maysville—Aug. 22, to vote on $55,000 bonds for sewers and disposal plant. Shockley Eng. Co., Graphic Arts Bldg., Kansas City, engrs. Noted July 12.

Mo., Ridgeway—See "Waterworks."

Ont., Weston—Plans 12,000 ft. vitr. tile sanitary sewers, 8 in. up, in Arthur, Denison, MacDonald, Rosemount and Springmount Sts. $35,000. H. L. Seymour, 52 Main St., engr.

BIDS DESIRED

N. Y., St. George—Aug. 20, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewer in Waverly and Wiederer Places, North Burgher, Delafield, Dixon, Washington and Neckar Aves.; temporary combined sewer in Pierce St.; sanitary sewer in Hanover St.

Pa., Phila. — Aug. 21, branch sewers Schedule A; main sewer in Ognotz Ave., Schedule B; sewage disposal plant, completion of water and air piping at Frankford Creek Grit Chamber, Schedule C. F. H. Caven, dir. pub. wks.

D. C., Wash.—Aug. 18, by Dist. Comrs., 509 Dist. Bldg., furnishing 700,000 red sewer brick. Apply Room 320 Dist. Bldg.

O., Columbus—See "Streets and Roads."

O., Maple Heights (Bedford, P. O.)—Aug. 18, 1,676 ft. 12-15 in. tile sewers in Longwood and Sterling Aves. $25,000. C. W. Courtney, Leader News Bldg., Cleveland, engr.

Utah, Salt Lake City—Aug. 28, 8, 10 and 12 in. vitr. sewers, etc., in Dist. 409. $25,000. S. A. Cannon, city engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in (1) Central Ave. (2) Voorhees Pl. (3) Idaho St. (4) Lake St. (5) 161st St., in Boro of Queens, from Spinella & Muccinni, 6102 18th Ave., Brooklyn. (1) type A $80,168; J. Gallo, 203 Division St., Brooklyn, (1) type B $72,793 (2) type B $13,648; Green Contg. Co., 734 Vernon Ave., Astoria, (2) type A $15,803; H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, (3) $4,853 (5) $2,730; J. H. Johnson, (4) $5,914. Noted Aug. 2.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg. altering and improving sewer in East 12th St., from P. J. Donlon Contg. Co., Snyder Ave. and East 56th St., Brooklyn, $23,275; in West St., from T. A. Reilly Co., 48 East 41st St., $19,671. Noted Aug. 2.

Md., Baltimore—Bd. Awards, City Hall, Aug. 8, constructing sludge digestion tanks Nos. 24, 25 and 26, and sludge drying beds Nos. 9 and 10, at Baltimore Sewage Treatment Wks., 5,000 cu.yd. excav., 4,000 cu.yd. rolled embankment, 4,655 cu.yd. concrete masonry, 450,000 lb. reinforcing bars, 1,100 cu.yd. sand and 3,000 cu.yd. gravel for sludge beds, 4,500 lin.ft. 4 in. drain tile, 87 tons c.i. pipe, 910 lin.ft. industrial railroad track, from P. C. Streett Eng. Co., 406 St. Paul St., $158,207. Noted July 26.

O., Euclid—Storm and sanitary sewers in Johnson Rd., from Iafornaro Constr. Co., 2218 Murray Hill Rd., Cleveland, $51,800; Cut Rd., from C. W. Jackson, 1318 East 84th St., Cleveland, $114,823; Lakeshore Blvd, Sect. 3, from Hadded Mall Co., Schofield Bldg., Cleveland, $73,226; Lakeshore Blvd., Sect. 4, from Trifelletti Bros., Lorain, $50,410; Chardon Rd., from Curro Bros. and B. J. Whittaker, 2208 Mayfield Rd., Cleveland, $35,189; Euclid Ave. from G. Darwich, 9214 Kempton Ave., Cleveland, $16,729; Lakeshore Blvd. Sect. 1, from Amato Constr. Co., c/o Sewers Contractors Exch., The Arcade, Cleveland, $82,930; Lakeshore Blvd, Sect. 2, from Graham & Henderson, 1274 West 108th St., Cleveland, $101,743. Noted July 26.

O., Maple Heights (Bedford, P. O.)—For 8,617 ft. 12-24 in. tile sewer in Dunham Rd., from B. J. Whittaker, c/o Sewer Contractors Exch., Cleveland, $58,862.

Wis., Rhinelander—For 26,502 ft. vitr. clay pipe, etc., from Roise Constr. Co., 252 Hennepin Ave., Minneapolis, Minn $92,956. Noted July 19

Calif., Los Angeles—Bd. Pub. Wks., Sect. 1 of north outfall sewerage system, (1) 5,145 lin.ft. 7 ft. interior diam. sewer (2) 566 lin.ft. 5 ft. interior diam. pipe, (a) submarine rein.-con. pipe construction (b) cast iron pipe construction, from Ross Constr. Co., Forum Bldg., Sacramento, (1a) $627,000 (1b) $527,000 (2a) $100,000 (2b) $100,000; San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, (1a) $823,000 (1b) $823,000 (2a) $67,920 (2b) $67,920. Noted June 28.

Calif., Los Angeles—Furnishing pipe for Sect. 1 of outfall sewer, from United States Cast Iron Pipe & Fdry. Co., Wright & Callender Bldg., (2) $575,068 (2a) $509,230 (2b) $476,626 (2c) $437,254 (2d) $615,750 (2e) $509,769 (2f) $477,165 (2g) $476,901, start delivery within 2 weeks from award of contract, finish 10 months; Western Concrete Pipe Co., Los Angeles, submarine concrete pipe, $198,300, start delivery 60 days, complete 180 days; J. Balch, Los Angeles, submarine rein.-con., $147,000, start delivery Nov. 15; Ross Constr. Co., Forum Bldg., $197,141, start delivery 60 days; Birmingham Machine & Fdry. Co., 3700 10th Ave., Birmingham, Ala., c.i. pipe $650,000 alternate $518,000 start delivery 120 days; Llewllyn Iron Wks., 1200 North Main St., c.i. pipe $582,246.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in 25th St., to Awixa Corp., Mt. Vernon, $652,211. Noted Aug. 9.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., constructing North Side Sewage Treatment Works, Division A, aeration tanks, settling tanks and operating galleries, to J. Griffiths & Sons Co., 112 West Adams St., $5,602,636. Noted Aug. 9.

Mo., Kansas City — Monolithic concrete sewer in Dist. 457, to W. C. Mullins Constr. Co., 419 Nelson Bldg., $73,403.

Mo., St. Louis—Pitzmans Co. of Surveyors & Engineers, 615 Chestnut St., 12,830 cu. yd. earth trenching, 18,050 ft. 6-30 in. vitr. clay sewers, etc., in Westmoor Park 2, for Westmoor Realty Co., to McKelvey Constr. Co., 811 Title Guaranty Bldg., $30,000. Noted Aug. 1.

Ark., Little Rock — See "Streets and Roads."

Waste Disposal

BIDS DESIRED

O., Lakewood (Cleveland P. O.)—Sept. 4 (change of date) garbage disposal plant. 100,000 lb. daily capacity. $88,000. E. A. Fisher, city engr. Noted July 12.

Bridges

PROPOSED WORK

Ill., Belleville—Louisville & Nashville R.R., 9th St. and Bway., Louisville, Ky., plans concrete ridges over its tracks on Lebanon Ave., here. $25,000. W. H. Courtenay, ch. engr.

BIDS DESIRED

Vermont—See "Streets and Roads."

N. Y., Mohawk—Aug. 29, by Mohawk Town Bd. at office of town clerk, Fonda, 2 steel bridges each having 74 ft. span, (on abutments furnished by town). E. Smith, supt. highways; adv. E. N.-R. Aug. 16.

N. J., Freehold—Sept. 5, by Bd. Freeholders Monmouth Co., constructing Bridge U-11, and earth dam containing sheet pile and rein.-con. core-wall. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Aug. 16.

Alabama—Aug. 28, by State Hy. Comn., Montgomery, concrete bridge over Flint River, part Federal Aid Project 39, Madison Co., 888 cu.yd. concrete, 87,762 lb. reinforcing, 540 sq.yd. 1 in. concrete surface 1:2:3½ mix, etc. W. S. Keller, state highway engr.

North Carolina—Aug. 29, by State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 641, Iredell Co., $65,800; State Project 495, Warren Co., $36,600; State Project 745, Forsyth Co., $33,500. C. M. Upham, state highway engr.

Ohio—See "Streets and Roads."

South Dakota—See "Streets and Roads."

BIDS RECEIVED

N. J., Mays Landing—See "Streets and Roads."

Michigan—State Highway Dept., Lansing, Bridge 611001, 90 ft. concrete girder, 22 ft. roadway, near White Hall, Muskegon Co., from R. Love & Son, Muskegon, $31,405.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, July 31, constructing bridges, **c s means concrete slab, c g concrete girder, s steel, c concrete, sub substructure, super superstructure and c c concrete culvert**, from C. B. Mautz, Benton, **3 c s 1-2B-White means (3 concrete slab, Route 1, Sect. 2-B, White Co.)** $9,331; from Zimmerly Bridge Co., Paris, 2 c s and 1 c g 1-3B White, $10,038; from Ferguson Constr. Co., 1033 North 2nd St., Rockford, 2 c g 1-28B White, $21,407, 1 c g and 1 c s 2-55B McLean $20,351, 2 c g 3-23B Mercer $37,735, 1 c g 24-4B Christian $35,890 (all bids less 1%); from M. and P. Contg. Co., Rockport, Ind., 1 c g 1-40B Massac $4,814; from W. H. Shons, South Liberty Ave., Freeport, 1 c g and sub for 1 steel 1-38B Johnson, $19,405, 1 c g and 1 sub for steel, 1-39B Massac, $16,179, 1 super for steel 1-39C Johnson, $6,670, 1 super for steel 1-39C Massac, $15,162, 1 c c, 1 c s, 1 c g and 2 sub for steel 34-1B Saline, $33,287, 2 c s and 3 c g 34-2B Saline, $24,833, 3 c c, 1 c s and 3 c g 34-3B Hardin, $55,204, super for 1 steel 34-5C Hardin $24,892; from F. E. Marsh & Co., Jefferson, Ia., 1 sub for steel 2-63B McLean $20,296; from Continental Bridge Co., Monadnock Blk., Chicago, 1 super for steel 2-63C McLean $20,570, 1 super for steel Route 7, Federal Aid Project 7 Sect. R-3 Bureau $5,687; from General Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., 1 sub for steel 3-59B Madison $24,207, 1 super for steel 3-59C Madison $22,882, 1 s and 1 c c 3-74B Randolph $32,595, super for 2 steel 34-1C Saline $17,789; from F. O. Panton, South Elgin, 1 c s 6-F Cook $8,796; from Sheldon Constr. Co., Putnam Bldg., Davenport, Ia., 1 c s and 1 sub for steel Route 7, Federal Aid Project 7, Sect. R-2 Bureau Co. $21,547; from St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., 1 super for steel 33-4C Jasper $13,013; from Barber & Lively, 1 c c and 2 c g 34-4B Hardin $11,018; from Fraser-Davis Constr. Co., 2 c s, 1 c g and 1 sub for steel 34-5B Hardin $36,282. Noted July 19.

Calif., Compton—Los Angeles Co., (Los Angeles), bridge over Los Angeles River on Long Beach Blvd., near here, from J. Simpson & Co., 701 Antonio St., Los Angeles, $65,450.

Ore., Brookings—State Hy. Comn., Salem, 160 ft. bridge over Winchuck Creek, near here, from A. B. Gridley, Marshfield, steel and wood $26,895, wood $24,530; Portland Bridge Co., Yeon Bldg., Portland, steel $34,540.

CONTRACTS AWARDED

Me., Eagle Lake — State Hy. Comn., Bridge Dept., Augusta, rein.-con. I-beam bridge, two 50 ft. spans, between here to Nadeau, Aroostook Co., to E. Cyr & Co., Waterville, $31,053.

Vermont—See "Streets and Roads."

Maryland—State Hy. Dept., Baltimore, bridge over Toms Creek on road from Frederick to Emmitsburg, Frederick Co., Contr. F-65, 305 cu.yd. concrete, to R. B. Poffenberger, Myersville, $16,720; bridge over Youghiogheny River on road from Oakland to Hutton, double span rein.-con. arch, Garrett Co., Contr. G-26, to Monangahela Constr. Co., Fairmount, W. Va., $19,615. Noted Aug. 9.

Kentucky—State Hy. Dept., Frankfort, 170 ft. concrete bridge over Blackwater Creek, Morgan Co., five 34 ft. spans, to Ellis & Smeathers, Owensboro, $32,451; 120 ft. concrete bridge, four 30 ft. spans, over Triplett Creek, Rowan Co., and 108 ft. concrete bridge, two 34 ft. and one 40 ft. spans, over Bank Lick Creek, Kenton Co., to Broaddus & Forbes, Richmond, $9,783 and $20,782 respectively. Noted Aug. 2.

Ore., Perry—State Hy. Comn., Salem, rein.-con. trestle, twelve 16-30 ft. spans, over Grande Ronde River, here, to Union Bridge Co., Kenton Sta., Portland, 900 cu.yd. Class A concrete $30.50, 135,000 lb. reinforcing $0.06, etc., total $39,135.

Dams

PROPOSED WORK

Tenn., Lawrenceburg — Voted $80,000 bonds for dam and power plant at Shoal Creek. Freeland, Roberts & Co., Independent Life Bldg., Nashville, consult engrs. Noted July 26.

Tex., Dallas—See "Waterworks."

BIDS DESIRED

N. J., Freehold—See "Bridges."

BIDS RECEIVED

Calif., Merced—Merced Irrigation Dist., constructing Exchequer Dam, (1) contractor furnishes aggregate for concrete (2) district furnishes aggregate for concrete, (a) 6,000 cu.yd. common excav. (b) 50,000 cu.yd. rock excav. (c) 310,000 cu.yd. concrete (d) 60 cu.yd. pressure grout (e) 1,000 ft. 5 in. drainage wells (f) 2,000 ft. 8 in. grout holes (g) 5,000 ft. contraction seals (h) 6,000 ft. grout and miscellaneous pipes (i) 15,000 lb. reinforcing (j) 60,000 lb. structural steel works (k) 5,000 sq.ft. coating, metal work (l) 5,000 sq.ft. coating, waterways (m) 200,000 lb. setting valves and gates, from L. S. Atkinson, Jr., Phoenix, Ariz., (1a) $5 (1b) $5 (1c) $5 (1d) $75

Dams (Continued)
(1e) $5 (1f) $4 (1g) $2 (1h) $0.25 (1i) $0.05 (1j) $0.05 (1k) $0.05 (1l) $0.05 (1m) $0.05 (2a) $5 (2b) $5 (2c) $3.50 (2d) $75 (2e) $5 (2f) $4 (2g) $2.50 (2h) $0.25 (2i) $0.05 (2j) $0.05 (2k) $0.05 (2l) $0.05 (2m) $0.05; Utah Constr. Co., Phelan Bldg., San Francisco. (1a) $2.50 (1b) $5.75 (1c) $6.20 (1d) $40 (1e) $5 (1f) $2.25 (1g) $1 (1h) $0.80 (1i) $0.04 (1j) $0.05 (1k) $0.10 (1l) $0.10 (1m) $0.04 (2a) $2.50 (2b) $5.75 (2c) $3.75 (2d) $10 (2e) $5 (2f) $2.25 (2g) $1 (2h) $0.80 (2i) $0.04 (2j) $0.05 (2k) $0.10 (2l) $0.10 (2m) $0.04; Foundation Co., 58 Sutter St., San Francisco. (1) $1,632,235 with fee of $80,000, (2) $985,635 with fee $50,000. Noted July 26.

CONTRACTS AWARDED

New York—See "Streets and Roads."

Railways

PROPOSED WORK

North Carolina—Appalachian & Western North Carolina Ry., c/o F. T. Miller, ch. engr., Greensboro, having surveys made for routes of proposed railroad, in several northwestern counties State Legislature provided $50,000 for surveys and will appropriate $10,000,000 toward construction after route has been determined.

BIDS DESIRED

Ontario—Ottawa Electric Ry., Albert St., Ottawa, taking bids extending 1¼ mi. electric line through Eastview. $110,000. F. D. Burpee, mgr.

Excavation, Drainage Irrigation

PROPOSED WORK

S. D., Elk Point—City and Chicago, Milwaukee & St. Paul Ry., 80 East Jackson St., Chicago, Ill., plans river retard work in Elk Point Drain Dist. 1. $55,350.

Tex., Edinburg—See "Miscellaneous."

Calif., Yreka — Butte Valley Irrigation Dist. plans election to vote on $594,000 bonds for irrigation project.

Porto Rico, San Juan—West India Mchy. & Supply Co., 75 Tetuan St., soon takes bids for 380,000 cu.yd. excav.

Ont., Owen Sound—Dominion Dept. Pub. Wks., Parliament Bldgs., Ottawa, plans dredging harbor, here. $75,000 bonds voted. K. M. Cameron, acting ch. engr.

BIDS DESIRED

Wis., Green Bay—Aug. 25, by Farm Drain Dist. 5, 2½ mi. 6-8 in. tile outlet drain in Lawrence Twp., near here. L. M. Schindler, 721 Clark St., Appleton, engr.

CONTRACTS AWARDED

Ia., Sioux City—Woodbury Co., improvements in Garretson D.D. 1, 1,159,150 cu.yd. excav., to J. R. Reese, Hamburg, $96,526. Noted July 12.

Mo., Brimson—Brimson D.D., system of levees and drainage canals, pumping station, etc., to Munn Constr. Co., St. Joseph. Engrs, est. $100,000.

Calif., Los Angeles—Bd. Harbor Comrs., dredging in west basin of Los Angeles Harbor, 2,800,000 cu.yd., to Pan-Pacific Constr. Co., 629 Citizens Natl. Bank Bldg., $0.1575 per cu.yd., total $441,000. Noted Aug. 9.

Streets and Roads

PROPOSED WORK

N. J., Trenton—Mercer Co. plans resurfacing 10,000 sq.yd. Princeton Ave., asphalt. $30,000. J. E. English, city engr.

W. Va., Charleston — Loudon Dist., Kanawha Co., election Aug. 27, to vote on $200,000 bonds for road work. F. G. Burdette, co. engr.

W. Va., Williamson — Lee Dist., Mingo Co., voted $297,000 bonds for road work. L. C. Linkous, co. engr. Noted July 19.

Tenn., Brownsville—Haywood Co. voted $150,000 bonds for State and Federal road from Memphis to Bristol.

Ky., Calhoun—McLean Co. voted $350,000 bonds for road work. Noted June 1.

O., Canton—Stark Co. soon takes bids improving about 2 mi. Hartville-Uniontown Rd., Sect. B, 16 ft. $50,000. G. Sickafoose, Court House, engr.

O., Cleveland—Cuyahoga Co. opens bids in fall grading and paving Richmond Rd. 6 and Kinsman Rd. $390,581. F. R. Lander, Court House, engr.

O., Lisbon—Columbiana Co. plans waterbound macadamizing 4.5 mi, Hanoverton-Salem Rd., 20 ft. J. Kirk, Court House, engr.

O., Steubenville—Jefferson Co. plans improving 4 mi. Toronto-Empire Rd., 20 ft. J. N. Leech, Court House, engr.

O., Steubenville—Jefferson Co. soon takes bids resurfacing 3 mi. New Somerset-Hammondsville Rd. J. N. Leech, Court House, engr.

Michigan—State Hy. Dept., Lansing soon takes bids grading and surfacing 1 mi. State Trunk Line Rd. 51-6, Ottawa Co., concrete, 2 mi. State Trunk Line Rd. 10-21, Sect. D, Iosco Co., gravel, and 3 mi. Federal Aid Project 120, Ottawa Co., asphalt, concrete or bituminous concrete. F. F. Rogers, state comr.

Ill., Belleville—St. Clair Co. plans grading and paving Belleville-Freeburg, Belleville-Smithton and Belleville-Millstadt Rds. also balance East St. Louis-Cahokia Rd. $240,000. Address county engineer.

Ia., Dubuque—Plans 250,000 sq.yd. paving for 1924. $500,000. W. Cullen, city engr.

Wyoming — State Highway Dept., Cheyenne, plans gravel surfacing 1.8 mi. Federal Aid Project 154, Big Horn Co., engrs. est. $17,886 (Federal aid $11,563); surfacing 7.481 mi. Federal Aid Project 155 Crook Co., engrs. est. $116,600 (Federal aid $76,382), 49 mi. Federal Aid Project 140, engrs. est. $81,026 (Federal aid $52,383), 10,634 mi. Federal Aid Project 143 Johnson Co., engrs. est $84,611 (Federal aid $30,864) Z. E. Sevison, state highway engr.

Kan., Independence—Making plans and soon takes bids grading and bituminous macadam surfacing 5.141 mi. Independence-Caney Rd., 18 ft. H. K. Hibbard, co. engr.

Kan., Wellington — Making preliminary plans grading and paving 9th St. from Washington to C Sts., 11th St. from Washington to C Sts. and from B to A Sts.; repairing asphaltic concrete pavements on Harvey St. from Washington St. to Rock Island tracks. $30,000.

Mo., Columbia—Making plans improving 5,600 ft. Bway., Locust St., Turner and Garth Aves. $50,000.

Mo., East Prairie—Making preliminary plans grading and paving 2,900 ft. Washington and Locust Sts., 18 ft. $26,000.

Mo., St. Louis—Community Estate Corp. making plans street and sewer work, $125,000. Pitzmans Co. of Surveyors & Engineers, 915 Chestnut St., engrs. Contract for 60,000 cu.yd. grading, average haul 400 ft., to O. Finar, Southwest and Sublette Aves., $0.19 per cu.yd.

Tex., Center—Takes bids about Sept. 15, paving various streets, 40,000 sq.yd. concrete and 10,000 sq.yd. asphalt on gravel. $125,000. I. R. Titus, c/o Titus & Dillon, Center, engr. Noted Aug. 9.

Tex., Corsicana — Navarro Co. defeated $4,500,000 bonds for improving highways. A. P. Mays, co. judge. Noted June 28.

Tex., Floresville — Wilson Co. voted $100,000 bonds for hard surfacing 15 mi. highway, 18 ft. Noted July 19.

Tex., Laredo—Webb Co. election Aug. 25, to vote on $250,000 bonds to be supplemented by $280,000 from State Hy. Comn. for topping 33 mi. road from here toward San Antonio and from here to Mirando Oil Fields, also gravel extension from here toward Corpus Christi, 18 ft.

Tex., Rio grande—E. Garza, judge Starr Co. takes bids in September for grading and gravel surfacing 32 mi. and grading 16 mi. $350,000.

Tex., San Angelo—Tom Green Co., plans grading and surfacing with macadam base and bituminous topping 9.7 mi. Carlsbad Rd. 18 ft. $64,500. G. Gilchrest, San Angelo, engr.

Tex., Sulphur Springs—Hopkins Co. voted $50,000 bonds improving Ridgeway Rd. Dist. Rd. from Precinct 1 to Hunt Co. line. R. E. Bertram, co. judge.

New Mexico—State Highway Dept., Santa Fe, plans gravel surfacing 34.343 mi. Federal Aid Project 106, Otero Co., engrs. est. $219,990 (Federal aid $135,294). J. A. French, state highway engr.

Calif., Arcata—Having plans prepared paving 12 blocks various streets, 5 in. asphaltic concrete, 2 courses. W. S. Farley, Monadnock Bldg., San Francisco, engr.

Calif., Los Angeles—Having plans prepared grading, curbing, sidewalks and 6 in. concrete paving 1 mi. Compton Ave. between Vernon Ave. and south city limits. $80,000. J. A. Griffin, city engr.

Calif., Oakland—Had plans prepared improving portions Alcatraz Ave., 127,202 sq. ft. grading, 8,260 sq.ft. concrete gutter, 118,237 sq.ft. bituminous concrete, etc.; Madison St. between 1st and 7th Sts., 75,066 sq.ft. grading, 2,601 sq.ft. concrete gutter, 72,455 sq.ft. asphaltic concrete, etc. W. W. Harmon, city engr.

Calif., Santa Barbara—Santa Barbara Co. to vote on $200,000 bonds constructing Lompoc-Harris Rd.

Que., Montreal—Plans asphalt pavements as follows: 1,331 ft. Rosemount Blvd., 23-46 ft., $14,884, 1,704 ft. DeGaspe St., 28 ft., $15,215, 6,077 ft. Notre Dame St., 41-46 ft., $142,036, 1,100 ft. Dan[illegible] St., 30 ft. $15,000; asphalt and block pavements on 1,000 ft. Brennan St., 31-37 [illegible] $35,060, 702 ft. Rose de Lima St., 33-35 ft., $16,424, 2,218 ft. Jacques Hertel St., 36 ft., $65,050, 160 ft. Francois Barry St., 30 ft., $4,212, 1,580 ft. DeLa Roche St., 36 ft., $34,200; concrete sidewalks on 125 ft. St. Joseph Blvd., 8 ft., $723, 480 ft. Marcil Ave., 4 ft., $1,976, 360 ft. Goulet St., $178, 1,700 ft. Gouin Blvd., 6 ft., $11,170, 26,165 ft. 3rd, 2nd, Grey, Old Orchard and Harvard Aves., DeAragon, DeLaRoche, Valmont, Hochelaga, Boyer, Isle Normanville, St. Andree and Henri Julien Sts., all 5 ft., $112,180; concrete slab sidewalks on 14,340 ft. Queen Mary Rd., Chabot, Marquette and Cartier Sts., 4 ft., $11,262. E. Gauthier, asst. city clk.

Ont., Georgetown—Plans 9,000 sq.yd. concrete pavement and 8,000 lin.ft. concrete curb. $25,000. R. Smith, Oakville, engr.

BIDS DESIRED

Vermont—Aug. 23, by T. W. Dix, ch. engr. Dept. of Highways, Montpelier constructing 1.33 mi. concrete road in Windsor and 1.85-mi. road in Ferrisburg incl. 62 ft. steel truss bridge. Former bids rejected. Adv. E. N.-R., Aug. 16. Noted July 26.

Massachusetts—Aug. 21, by State Hy. Comn., Boston, paving 16,457 ft. road in Gay Head, bituminous macadam, $150,000. 2,755 ft. in Bourne, bituminous macadam $30,000; 9,165 ft. in Hingham, bituminous concrete and bituminous macadam, $100,000. All 18 ft. W. F. Williams, ch. engr.

Connecticut—Aug. 23, by J. A. MacDonald, state highway comr., Hartford, 6,413 ft. Bethlehem-Woodbury Rd., 18,191 ft. in towns of Clinton and Madison, 3,700 ft. in Farmington, 18,122 ft. in Kent, 10,480 ft. in Mansfield, 28,240 ft. in New Hartford, 5,518 ft. in Plainville, 15,800 lin.ft. in Putnam and 19,250 ft. in Trumbull; 24 ft. rein.-con. girder bridge in Canton; adv. E. N.-R. Aug. 16.

N. Y., New York—Aug. 23, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving Riverside Dr., West 68th, West 69th, West 83rd, 93rd, East 97th and West 108th Sts.

N. J., Freehold — Sept. 5, by Bd. Freeholders Monmouth Co., rein.-con. paving Riverside Dr., Rd. 52, Sect. 1, and Red Bank-Oceansport Rd. 45, Sect. 1. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Aug. 16.

N. J., Morristown—Aug. 29, by Bd. Freeholders Morris Co., constructing section of Parsippany-Littleton Rd., Hanover Twp., also road from Long Valley to Hunterton Co. line Rd., Washington Twp., rein.-con. W. H. Hosking, clk.; adv. E. N.-R. Aug. 16.

North Carolina—Aug. 29, by State Hy. Comn., Raleigh, grading and hardsurfacing (concrete or asphaltic paving) various projects in Perquimans, Pitt, New Hanover, Alamance, Rockingham, Anson-Union, Iredell, Forsyth and Buncombe Counties; top-soil, sand clay, gravel or grading projects in Franklin and Warren Counties. C. M. Upham, state highway engr.; adv. this issue.

Florida—Aug. 28, by State Rd. Dept., Tallahasse, grading and surfacing 7.121 mi. road from Wabasso to Sebastian River, Project 36 B, St. Lucie Co.; 9,517 mi. from Brooksville to Pasco Co. Line, Project 545, Hernando Co. Alternate bids on bituminous macadam on 8 in. rock, sheet asphalt with binder course on 8 in. rock or plain concrete. W. F. Cocke, state highway engr.

Fla., Pensacola—Aug. 28, Bd. Comrs. Escambia Co., grading and rein.-con. paving 7 mi. road. W. E. Wheat, co. engr.; adv. E. N.-R. Aug. 16.

Alabama—Sept. 11, by State Hy. Comn., Raleigh, improving 10.208 mi. highway between Center and Gadsden, Federal Aid Project 137, Cherokee Co., 35 acres clearing, 80,680 cu.yd. common and 5,341 cu.yd. solid rock excav., 88,940 sta.yd. overhaul, 788 cu.yd. concrete, 82,914 lb. reinforcing, 10,526 cu.yd. gravel surfacing, 1 mi. haul, 17,000 cu.yd. ½ mi. additional haul, 15,712 cu.yd. chert, 1 mi. haul, 60,000 cu.yd. chert ½ mi. additional haul, etc., $130,200; 1.83 mi. between Decatur and Cullman, Federal Aid Project 83, Sect. B, Morgan Co., 5,500 cu.yd. crushed stone base, 14,582 sq.yd. bituminous concrete, etc., Bridges at Sta. 27-03, 97 cu.yd. concrete, 3,400 lb. reinforcing, etc., $40,000; 11,195 mi. between Attalla and Gadsden, Federal Aid Project 104, Sects. C and D, Etowah Co., 8,500 cu.yd. excav., 6,900 sta.yd. overhaul, 13,300 sq.yd. concrete base, 12,400 sq.yd. asphaltic concrete, 100 cu.yd. brick pavement, 4,000 lb. reinforcing, etc., $45,000; 6.129 mi. between Russellville and Phil Campbell, Federal Aid Project 35, Sect. B, Franklin Co., 19 acres clearing, 36,408 cu.yd. common and 20,220 cu.yd. solid rock excav., 2,201 sta.yd. overhaul, 455 cu.yd. concrete, 38,922 lb. reinforcing, 17,000 cu.yd. local gravel surfacing, one mi. haul, 7,300 cu.

Streets and Roads (Continued)

yd., ½ mi. additional haul, 5,100 cu.yd. clay binder, 8,500 cu.yd. gravel to be screened, 65,000 sq.yd. mixing gravel and clay, etc., $180,000; 19.815 mi. between Double Springs and Haleyville, Federal Aid Project 133, Winston Co., 90,712 cu.yd. common and 4,984 cu.yd. solid rock excav., 3,432 sta.yd. overhaul, 394 cu.yd. concrete, 27,266 lb. reinforcing, 47,000 cu.yd. local gravel, 1 mi. haul, 700,000 cu.yd. gravel ½ mi. additional haul, etc., $411,884. W. S. Keller, state highway engr.

Tenn., Pulaski—Aug. 23, paving 13,000 sq.yd. various streets, rock asphalt on limestone. $25,000. B. H. Klyce 4th and 1st Natl. Bank Bldg., Nashville, engr. Noted July 19.

Ky., Henderson—Aug. 21, by Comr. Pub. Wks., improving Green and 2nd Sts.; adv. E. N.-R. Aug. 16.

Ky., Louisville—W. S. Campbell, chn, building com., Bd. of Tuberculosis Hospital, 2910 High St., receiving bids 50,000 cu.yd. grading for Waverly Hill Sanatorium. To exceed $25,000.

Ohio—Aug. 24, by Dept. Highways and Pub. Wks., grading, bridging and paving 56.379 mi. roads in Brown, Defiance, Hardin, Harrison, Highland, Jefferson, Lawrence, Morgan, Morrow, Perry, Putnam, Stark, Trumbull, Belmont, Columbiana, Clermont, Greene, Paulding and Portage Counties, various materials; curbing 14.77 mi. roads in Coshocton, Crawford, Hancock and Mahoning Counties; widening 2.67 mi. roads in Richland Co.; grading and graveling Sect. "R" Zanesville-Dresden Rd. and Sect. "A" Newark-Coshocton Rd., both Muskingum Co.; bridge approaches on road in Brown Co.; bridges in Brown and Lawrence Counties. A. V. Donaheys, dir. highways.

O., Columbus—Aug. 21, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving 370 ft. Gates St. and 1,174 ft. 18th St., both 24 ft., and 3,453 ft. Hanford St., 36 ft., brick or asphalt; 1,621 ft. alley north of Indiana Ave., 15 ft., 705 ft. alley north of McMillan Ave. and 896 ft. alley west of Linwood Ave., both 20 ft., brick or concrete; 475 ft. 5th St., 20 ft., asphalt, concrete or brick; 6,955 ft. 8-24 in. vitr. sewers in Emerick and 3rd Sts., alley north of Hosack St., alley north of Hinkle Ave. and alley north of Cleveland Ave.

Michigan—Aug. 20, by State Hy. Dept., Lansing, grading and surfacing 4.197 mi. Federal Aid Project 50 Sect. B, Monroe Co., 41,579 cu.yd. excav., 49,185 sq.yd. concrete, also Bridge 580902, 60 ft. span near LaSalle, Monroe Co., 199 cu.yd. rein.-con., 677 cu.yd. concrete, 28,550 lb. reinforcing steel. F. F. Rogers, state comr.

Michigan—Aug. 23, by State Hy. Dept., Lansing, grading and surfacing 1.92 mi. State Trunk Line Rd. 10-21, Sect. D, Iosco Co., 11,269 cu.yd. excav., 17,848 sq.yd. gravel. F. F. Rogers, state comr.

Ill., Chicago — Aug. 24, by Bd. Local Impvts., 207 City Hall, paving streets and alleys. $87,300. C. D. Hill, ch. engr.

Ia., Mt. Pleasant—Sept. 1, by Auditor Henry Co., grading 7.26 mi. road from here west, 161,684 cu.yd. excav., 5,732 ft. 6 in., 7,870 ft. 8 in. and 530 ft. 12 in. tile, etc. C. E. Smith, co. engr.

Kan., Garnett—Aug. 31, by Clerk Anderson Co., grading and gravel surfacing 8.474 mi. King of Trails, Federal Aid Project 113, Sect. B, F. T. Bonebrake, co. engr. Noted July 26.

South Dakota — Aug. 28, by State Hy. Dept., Pierre, improving roads, **(F. A. P. 105, A Brown means Federal Aid Project 105 A Brown Co.)**, grading 7.27 mi. F. A. P. 105 A, Brown, 52,924 cu.yd. excav.; 2 mi. F. A. P. 105 B, Brown Co., 6,895 cu.yd. excav.; 14.58 mi. F. A. P. 142, Brown, 117,680 cu.yd. excav.; 11.74 mi. F. A. P. 134, Douglas, 90,607 cu.yd. excav.; 14.29 mi. F. A. P. 141, Hughes, 133,572 cu.yd. excav.; 6.88 mi. F. A. P. 147, Hutchinson, 50,966 cu. yd. excav.; 10.35 mi. F. A. P. 75 B, Perkins, 83,866 cu.yd. excav.; 7.37 mi. F. A. P. 157, Jones, 93,550 cu.yd. excav.; graveling 8.76 mi. F. A. P. 136 Hamlin, 13,133 cu.yd. gravel; also one 45 ft., one 120 ft. and one 84 ft. concrete and steel viaducts on F. A. P. 134, Douglas, one 64 ft., one 66 ft. and one 96 ft. viaduct on F. A. P. 141, Hughes. F. D. Hudgins, state engr.

Ark., Little Rock—Aug. 20, by J. Jung, chn. Street Impvt. Dist. 343, c/o Kingworthy and Kingworthy, Boyle Bldg., grading, paving and sewers in East 14th and McAlmont Sts., 11,500 sq.yd. concrete, 5,500 cu.yd. earth excav., 3,000 lb. reinforcing steel, etc. Ford & McCrea, Gazette Bldg., engrs.

Tex., Angleton—Aug. 24, by J. T. Loggins, judge Brazoria Co. grading and shell surfacing 6 mi. State Highway 19 A, 49.3 cu.yd. concrete, 2,710 cu.yd. borrow excav., and 15,044 cu.yd. shell. $50,000. E. N. Gustafson, engr.

Tex., Beaumont — Aug. 31 (change of date), by B. B. Johnson, judge, Jefferson Co., rein.-con. paving 7.35 mi. State Highway 40 (Voth Rd.). $315,000. A. C. Love, co. engr. Noted July 19.

Tex., Bonham—Aug. 27, by S. E. Neilson, Judge Fannin Co., grading and rein.-con. surfacing 7.35 mi. State Highway 5, Federal Aid Project 344, 1,016.9 cu.yd. concrete, 77,196 sq.yd. concrete pavement, 51,549 cu.yd. roadway and 40,087 cu.yd. borrow excav., etc. $292,228. P. B. Price, Honey Grove, engr. Noted May 31.

Tex., Brenham—Aug. 28, by J. H. Chappell, judge Washington Co., grading and bridging 19.2 mi. Brenham-Washington Rd., 18 ft., $200,000; 17.3 mi. State Highway 36, Federal Aid Project 358, 24 ft. $185,000. G. A. Bracher, co. engr. Noted July 19.

Tex., Johnson City—Aug. 23, by W. Martiney, judge Blanco Co., grading and gravel surfacing 7.19 mi. State Highway 20 A, from Hays Co. Line west, 95.5 cu.yd. concrete 30,130 cu.yd. borrow, 44,642 cu.yd. roadway, 1,242 cu.yd. loose and 6,238 cu.yd. solid rock excav., 12,271 cu.yd. gravel, etc., $58,000; grading and shale adobe surfacing 5.53 mi. State Highway 20 A, 143 cu.yd. concrete, 29,276 cu.yd. roadway, 28,795 cu.yd. borrow 11,527 cu.yd. shale adobe, etc., $50,000. J. W. Puckett, co. engr.

Tex., Paris—Aug. 28, by W. D. Lawrence, judge Lamar Co., grading and paving 2.54 mi. State Highway 5, 16.7 cu.yd. concrete, 3,353 cu.yd. roadway and 9,150 cu.yd. borrow excav., 27,356 sq.yd. concrete, etc. $75,000. W. M. Fooshee, co. engr.

Tex., Vernon—Aug. 22, by E. L. McHugh, judge Wilbarger Co. concrete surfacing 24,176 sq.yd. State Highway 5, Federal Aid Project 276 C, $80,000; concrete paving 6,007 sq.yd. County Project 2, north of here, $26,000. J. B. Nabors, co. engr. Noted Aug. 9.

Okla., Barnsdall — Aug. 21, by J. C. Blankenship, city clk., grading and paving 4th and 7th Sts., 5,300 sq.yd. vertical fibre brick, 2,700 lin.ft. concrete curbing, 2,700 lin.ft. concrete gutter, 1,250 cu.yd. excav., etc. $32,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Marlow—Aug. 27, by G. L. Orr, city clk., grading and paving Bway and Main Sts., 30 ft., 13,900 sq.yd. asphalt, 13,170 lin.ft. curbing, etc. $73,815. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

New Mexico — Aug. 24 by State Hy. Comn., Santa Fe, constructing 15.29 mi. Artesia-Lakewood Rd., Federal Aid Project 116, Eddy Co., 34,591 cu.yd. Class 1 excav., 17,016 cu.yd. Class 1 borrow, 30,318 cu.yd. 2 course gravel surfacing, 154.4 cu.yd. Class A concrete for bridges, 15,188 lb. reinforcing 22,099 ft. wooden superstructure; 32.413 mi. Carlsbad-Lovington Rd., Federal Aid Project 18, Eddy Co., 4,587 cu.yd. Class 1 excav., 10,143 cu.yd. Class 1 borrow, 23,020 cu.yd. one course caliche or gravel, 15.7 cu.yd. Class A concrete for bridges, 5,109 ft. wooden superstructure, etc.; 13.333 mi. road east from Cap Rock, Federal Aid Project 30-A, Lea Co., 18,603 cu.yd. Class 1 excav., 4,302 cu.yd. Class 2 excav., 23,929 cu.yd. Class 1 borrow, 27,841 cu.yd. 2 course crushed caliche, etc.; 12.128 mi. road west from Tatum, Federal Aid Project 30-B, Lea Co., 21,640 cu.yd. Class 1 excav., 19,135 cu.yd. Class 1 borrow, 25,254 cu.yd. 2 course crushed caliche, etc.; 11.581 mi. Valmont-Escondido Rd., Federal Aid Project 49, Otero Co., 11,301 cu.yd. Class 1 borrow, 13,589 cu.yd. 2 course gravel surfacing, etc.; 56.907 mi. Gladstone-Clayton Rd., Federal Aid Project 58, Union Co., 25,104 cu.yd. 2 course caliche, 3,027 cu.yd. clay plating, etc.; 54.058 mi. Clayton-Nara Visa Rd., Federal Aid Project 59, Union Co., 42,013 cu.yd. 2 course caliche, 9,863 cu.yd. clay plating, etc. J. A. French, state highway engr.

Utah, Nephi—Aug. 20, by State Rd. Comn., Salt Lake City, grading and paving Main St., here, Federal Aid Project 53, 18,880 sq.yd. concrete, 2,200 cu.yd. earth and 1,600 cu.yd. borrow excav. $50,000. H. C. Means, state road engr.

California—Aug. 27, by State Hy. Comn., Sacramento, improving 1.1 mi. road between Roseville and Lincoln, Placer Co., 2,675 cu.yd. concrete, etc.; paving with waterbound macadam shoulders 8.1 mi. between west boundary and Banta, San Joaquin Co., 13,700 tons broken stone in shoulders; improving road between Santa Clara River and point 1/5 mi. east, Los Angeles Co., 600 cu.yd. embankment, 640 yd. concrete. R. M. Morton, state highway engr.

Calif., San Diego — Sept. 4, by A. H. Wright, city clk., paving 12th St. Extension in Balboa Park, 2,140 cu.yd. excav. and 159,142 sq.ft. paving, bids on 1½ in. warrenite bitulithic on 3 in. bituminous, 1½ in. Topeka mixture asphalt (Willite process) on 3 in. asphaltic concrete (Willite process) and 1½ in. asphaltic concrete on 3 in. bituminous. F. A. Rhodes, city engr.

Quebec—Aug. 30, by J. L. Boulanger, deputy minister Dept. Rds., Quebec, graveling 48,663 ft. Iberville-St. Albans Highway. G. Henry, c/o Dept. Rds., engr.

BIDS RECEIVED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Aug. 9, sheet asphalt repaving Edgecombe Ave., from Interboro Asphalt Co., 2306 Creston Ave., $62,094; West 63rd St., from Sicilian Asphalt Paving Co., 41 Park Row, $4,359; East 107th St., from C. D. Beckwith, Inc., 2875 Bway., $32,395; 109th St., from Brusstar Constr. Co., Harlem River and 150th St., $41,810; widening and sheet asphalt repaving 56th St., from W. J. Fitzgerald, 547 West 45th St., $48,924. Noted Aug. 2.

Pennsylvania—State Hy. Dept., Harrisburg, surfacing and improving roads, **(A means Application and R means Route)** 23,470 ft. R. 86 and 272, A. 2327 and 2328, Fairview Twp. and Boro., Erie Co., from Mayer Bros. Constr. Co., 312 Commerce Bldg., Erie, $152,595; 7,881 ft. A. 1242 and 1249, Chichester Twp. and Trainer Boro., Delaware Co., from Highway Constr. Co., Phila., $81,601; 16,310 ft. R. 133, Marple and Newtown Twps., Delaware Co., from Highway Constr. Co., Phila., $122,749; 14,953 ft. R. 95, spur, A. 2273, Wetmore Twp., McKean Co., from J. C. Devine Co., Alliance, O., $154,271; 7,051 ft. A. 2452, Pocono and Paradise Twps., Monroe Co., from W. E. Supplee, Wayne, $54,946; 34,422 ft. A. 2355, Lower Mt. Bethel Twp., Northampton Co., from Ambler-Davis Co., Harrison Bldg., Phila., $273,566; 17,527 ft. A. 2227 and 2228, Upper Nazareth and Bushkill Twps., Northampton Co., from Juniata Co., 410 Empire Bldg., Phila., $175,201; 612 ft. A. 2431, Burrell Twp., Indiana Co., from A. R. Cooper, Idamar, $14,254; 10,855 ft. R. 247, Dunbar Twp., Fayette Co., from W. H. Wilkey, 317 Fayette Title & Trust Bldg., Uniontown, $88,377; 2,303 ft. A. 2578, Center and Hopewell Twps., Beaver Co., from D. W. Challis & Sons Inc., 420 Centennial Ave., Sewickley, $36,055; 11,202 ft. R. 73, Center and Butler Twps., Butler Co., from C. E. Walter, Butler, $118,849; 23,776 ft. R. 295, A. 2316-17 and 18, Elk Creek and Conneaut Twps., Erie Co., from C. H. Fry Constr. Co., 609 West 19th St., Erie, $176,826; 13,977 ft. R. 196, Richmond and Covington Twps., Tioga Co., from A. W. Hinaman, Canton, 12,017 ft. R. 111, Franklin Twp., Greene Co., from Myers Paving Co., Waynesburg, $37,394. Noted July 26.

Pennsylvania—State Hy. Dept., Harrisburg, Aug. 8, surfacing and improving roads, **(A means Application and R Route)** 12,994 ft. R. 247, Perry Twp., Fayette Co., from Garvey-Weyenberg Constr. Co., 807 College Ave., Appleton, Wis., $68,610; 15,659 ft. R. 2, Point Twp., Northumberland Co. and Mahoning Twp., Montour Co., from T. B. Evans, 344 Ferry St., Danville, $182,878; 3,749 ft. R. 124, A. 2178, Dover Boro., York Co., from Warren Bros. Co., 9 Cambridge St., Boston, Mass., $73,379; 6,397 ft. R. 167, A. 2195, East Stroudsburg Boro., Monroe Co., from Standard Bitulithic Co., 50 Church St., New York City, $118,518; 18,206 ft. A. 2573, 74 and 75, Springfield, Marple and Upper Providence Twps., Delaware Co., from V. Di Francesco, 17 Mifflin Ave., Llanerch, $176,287; 7,272 ft. R. 108, North Strabane Twp., Washington Co., from Garvey-Weyenberg Constr. Co., 807 College Ave., Appleton, Wis., $46,110; 15,654 ft. R. 211, A. 2369, Otto and Foster Twps., McKean Co., from D. L. Dennis, Eldred, $139,729; 7,731 ft. R. 258, A. 2357, Washington Twp., Erie Co., from W. B. Constr. Co., 909 Cascade St., Erie, $61,968; 27,876 ft. R. 258, A. 2331-32 and 34, Mill Creek, Summit and McKean Twps., Erie Co., from Johnson, Drake & Piper, Inc., Slippery Rock, $208,189; 42,580 ft. A. 2222-23 and 24, Washington and Plainfield Twps., Northampton Co., from W. G. Raub, Red Lion, $378,233; 3,199 ft. R. 1, Halifax and Upper Paxton Twps., Dauphin Co., from Bennett Randall Co., Lebanon; 1,030 ft. A. 2513, Montrose Boro., Susquehanna Co., from E. V. Chappell, 27 Wall St., Binghamton, N. Y., $15,209; 20,005 ft. R. 175, Upper Nazareth Twps., Northampton Co., from Juniata Co., 410 Empire Bldg., Phila., $111,190; 3,666 ft. R. 163, Slatington Boro., Lehigh Co., from S. N. Weaver known as Nicholasville Rd., State Project 23, Sect. A1, town, $64,697. Noted July 26.

Delaware—State Hy. Dept., Dover grading and paving 4.58 mi. road from Kirkwood to Tybouts Corner, CN-13, from Van Auken & Robbins, Theendara, N. Y., 35,000 cu.yd. excav. $0.95, 7,880 cu.yd. concrete $15.10, etc., total $184,398; 0.91 mi. road

Streets and Roads (Continued)

from Dupont to Dagsboro, CS-28, from Hannaman-Burroughs Co., Salisbury, Md., 2,600 cu.yd. excav. $1.30, 1,650 cu.yd. concrete $15, etc., total $29,675. Noted July 26.

Maryland—State Rds. Comn., Baltimore, Aug. 7, paving 1 mi. road from Jarrettsville toward Federal Hill, Harford Co., Contr. H-32, 9,000 sq.yd. concrete, from Clarke & Bresnan, American Bldg., Baltimore, $32,-112. Noted Aug. 2.

O., Cleveland — Cuyahoga Co., Aug. 4, grading and paving 10,404 cu.yd. Highland Rd., concrete, from P. Di Glora, 4826 Pearl Rd., $38,501; Sprague Rd. 1, from Lake Erie Constr. Co., Perry Payne Bldg., $41,322, Sprague Rd. 3, from Hill & Hill, Pavers Exch., Society for Savings Bldg., $65,543, Sprague Rd. 1 and 3 involve 28,400 lin.ft. 4 in. tile gutter and 27,400 cu.yd. concrete. Noted Aug. 2.

O., Cleveland Heights (Warrensville, P. O.)—Grading, curbing and asphalt paving Rushleigh and Pembrook Rds., from Spence Bros., 2740 Random Rd., Cleveland, $24,562 and $26,533 respectively; Winsford and Dresden Rds., from Rieley Bros., The Arcade, Cleveland, $21,037 and $13,530 respectively.

Michigan — State Hy. Dept., Lansing, grading and surfacing Federal Aid Project 125, Gratiot Co., 22,288 cu.yd. excav., 56,-731 sq.yd. concrete, from Holmes, Crane & Bartling, Alma, $123,962.

Michigan—State Hy. Dept., Lansing, grading and surfacing 2.285 mi. State Trunk Line Rd. 37-5, Sects. A, B and E, Barry Co., 11,451 cu.yd. excav., and 26,011 sq.yd. concrete, from W. Neafe & Son, 117 Catherine St., Kalamazoo, $37,470. State furnishes cement.

Michigan—State Hy. Dept., Lansing, grading and surfacing 1.467 mi. State Trunk Line Rd. 65-2, Washtenaw Co., 6,731 cu.yd. excav. and 17,447 sq.yd. concrete, from Ann Arbor Asphalt Co., Ann Arbor, $42,119.

Michigan—State Hy. Dept., Lansing, improving roads, **(S. T. L. Rd. 47-8, and 21-10, Sect. A, Shiawassee means State Trunk Line Rd. 47-8 and 21-10, Sect. A, Shiawassee Co.)**, grading and surfacing **1.451 mi. S. T. L. Rd. 47-8 and 21-10, Sect. A, Shiawassee Co.**, from Willite Road Constr. Co., 711 Union Trust Bldg., Detroit, $32,037; **6.88 mi. S. T. L. Rd. 66-17, Sects. A and B, Kalhaska**, from J. Davidson & Sons, Farwell, $69,457; **1.324 mi. S. T. L. Rd. 37-2, Sect. A, Barry**, from A. E. Green, 47 Union Ave., N. E., Grand Rapids, $21,392; **(F. A. P. 49, Sect. A, Cass, means Federal Aid Project 49, Sect. A, Cass Co.) 6.531 mi. F. A. P. 49, Sect. A, Cass)**, from Lenderink & Baker, 501 Kalamazoo Natl. Bank Bldg., Kalamazoo, $102,469; **1.25 mi. F. A. P. 68, Sect. C, Clinton**, from Sager Bros., 308 Weber St., Saginaw, $34,384.

Mo., St. Louis—Bd. Pub. Serv., City Hall, Aug. 7, from Frazier-Davis Constr. Co., Arcade Bldg., grading, surfacing and installing water pipe along private right of way from Hog Hollow Rd. to site of new waterworks at Howards Bend, Clayton Co., 31,850 cu.yd. embankment $0.35 per cu.yd., 2,010 cu.yd. cinders $2.40, 6,800 cu.yd. macadam $3.80, 6,700 ft. 6 in. pipe $0.60, total $46,332.

Tex., Ft Worth—Tarrant Co. surfacing 2.64 mi. State Highway 40, bituminous macadam on crushed stone, (a) rock asphalt, (b) 1 in. Amesite, from T. A. Griffin Constr. Co., 411 North Texas Bldg., Dallas, (a) $34,312; Genl. Constr. Co., 403 Cotton Exch. Bldg., (b) $44,228. Above prices include bid of Tarrant Co. for constructing base at $15,164. Engrs. est. $65,000.

Calif., San Diego—Common Council, improving 30th St. between Adams and University Aves., from Griffith Co., 25 14th St., 281,941 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete at $0.192 per sq.ft., etc., total $54,329. Noted June 14.

Calif., San Mateo—Improving portions 1st, 2nd and 3rd Aves., etc., from Galbraith & Jones Yuba City, 323,000 sq.ft. 5 in. concrete pavement at $0.189 per sq.ft., 6,000 yd. excav. $1.49, 14,500 ft. concrete curb $0.50, 2,500 sq.ft. concrete approach $0.24, 2,725 sq.ft. concrete walks $0.20, etc. Noted Aug. 2.

Calif., Stockton — City Council, from Clark & Henery Constr. Co., 38 South Sutter St., improving East Main and East Lafayette Sts., etc., 11,412 lin.ft. concrete curb and gutter, 55,836 sq.ft. concrete walks, 191,911 sq.ft. 2 in. asphaltic concrete on 3 in. crushed rock, $68,054, streets in City Park terrace, 9,417 cu.yd. excav., 8,657 lin.ft. concrete curb and gutter, 51,-265 sq.ft. sidewalks, 163,408 sq.ft. 2 in. asphaltic concrete on 3 in. crushed rock, $53,-364; from J. E. Johnson, Commercial & Savings Bank Bldg., improving East Main, A, B and C Sts., etc., 7,541 lin.ft. concrete curb and gutter, 28,396 sq.ft. concrete walks, 115,448 sq.ft. 2 in. asphaltic concrete on 3 in. crushed rock, 13,229 sq.ft. 2½ in. crushed rock and 2½ in. asphaltic concrete base, 2 in. asphaltic concrete surface, etc., $39,339. Noted May 17.

CONTRACTS AWARDED

Vermont—Dept. of Highways, Montpelier, constructing 3.03 mi. gravel road in Randolph, Federal Aid Project 40, 24,067 cu. yd. earth excav., 6,258 cu.yd. sub-base of field or quarry stone, 6,520 cu.yd. gravel surface course, to McCabe & Giovannini, Boston, $78,450; 3,850 ft. Morrisville-Hardwick Rd., 21 ft., in Wolcott, with one 80 ft. steel truss bridge, Federal Aid Project 37, and 0.3 mi. Lamoile River Rd., in Hyde Park, with 64 ft. concrete arch bridge, Federal Aid Project 39, to Guild & Douglas, Springfield, $19,413 and $15,729 respectively. Noted July 26.

Massachusetts—State Hy. Dept., Boston, paving 7,700 ft. road in Framingham, 20 ft., bituminous macadam, to R. H. Newell Co., Uxbridge, $49,010. Noted July 26.

Massachusetts—State Hy. Comn., Boston, paving 21,521 ft. road, 18 ft., in Rochester and Wareham, bituminous macadam, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $152,576.

Mass., Medford — Street Comn., paving 23,000 sq.yd. Arlington St. and Winthrop Sq., bituminous macadam, to Coleman Bros., Inc., 245 State St., Boston, $2.25 per sq.yd.

New York—Bd. Water Supply, Municipal Bldg., New York City, clearing and grubbing Schoharie Reservoir and constructing diverting dam down-stream from intake of Shandaken tunnel in towns of Gilboa and Conesville, Schoharie Co., Prattsville, Greene Co., and Roxbury, Delaware Co., Contr. 205, to Rice & Ganey, Inc., Grand Central Terminal, New York City, $290,800. Noted Aug. 9.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading sidewalk space and laying sidewalks on Clermont Ave., to J. J. O'Brien, Jr., William St., Jamaica, $1,346; curbing, laying sidewalks, etc., on Forest Ave. and recurbing, etc., George St. to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $5,105 and $6,665 respectively; repaving with improved granite blocks Grand St., to Kennedy & Smith, Inc., 93 Amity St., Flushing, $95,867; grading, curbing and laying sidewalks on Provost St., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, $10,549; curbing and laying sidewalks on Graham Ave., to W. J. Fitzgerald, 547 West 45th St., New York City, $26,507. Noted July 26.

N. J., Mays Landing—Atlantic Co., Guarantee Trust Bldg., Atlantic City, repairing or reconstructing Absecon Blvd., also additions to 9 bridges, to C. H. Earle, Chelsea Bank Bldg., Atlantic City, $935,712. Noted Aug. 13.

Maryland — State Hy. Dept., Baltimore, concrete surfacing 1.01 mi. road from Crellin to West Virginia state line, Garrett Co., Contr. G-16, to Monongahela Constr. Co., Fairmount, W. Va., $35,791; 1.35 mi. in Wicomico Co., Contr. Wi-23, to P. D. Phillips & Bro., Salisbury, $45,427. Noted Aug. 9.

Md., Baltimore—Bd. Awards, 2,100 sq.yd. granite block paving and 17,615 sq.yd. asphalt, Contr. 241-OONA, to Amer. Paving & Contg. Co., Montebello, $81,131. Noted Aug. 9.

South Carolina—State Hy. Dept., Columbia, rock asphalt surfacing Project 222, Union Co., to General Road & Drainage Constr. Co., Liberty Bank Bldg., Columbia, $26,490.

Fla., De Land—For 95,000 sq.yd. concrete paving to Inglis Constr. Co., Jacksonville, at $2.66 per sq.yd., total $300,000.

Fla., Tallahassee—Paving 3.5 mi. North Monroe, North Adams and North Calhoun Sts., North and South Park Ave., 2 in. sheet asphalt on 8 in. Florida lime rock, to Hutton Eng. Co., Atlanta, Ga., $175,054. Noted July 12.

Miss., Aberdeen—Grading and paving 8 mi. North Meridan St. and Darracott Rd., 14 ft., to A. Brannin, Aberdeen. Engrs. est. $100,000.

Miss., Shelby—Bolivar Co. graveling 35 mi. in Shelby Separate Rd. Dist., to L. M. Ellis Co., Shelby, $0.50 first mi. and $0.21 each additional.

Kentucky—State Hy. Dept., Frankfort, constructing 6.1 mi. Lancaster-Richmond Rd., Garrard Co., to E. E. Price & Co., Lexington, $47,404; gravel surfacing using concrete pipe 12.1 mi. Newcastle-Carrollton Rd., State Project 46, Sect. A, Henry, Trimble and Carroll Counties, to Ellis & Smeathers, Owensboro, $271,123, 3.39 mi Lagrange-Newcastle Rd., State Project 19, Sect. A, Oldham Co., to Moynanhan & Turner, Lexington, $69,634; Waterbound macadam surfacing 5.4 mi. Lexington-Nicholasville Rd., State Project 28, Sect. A, Jessamine Co., to J. H. Hostetter, Lexington, $34,044. Noted Aug. 2.

Ky., Henderson—Warrenite paving Main, Elm, Green and Washington Sts., to Anderson Asphalt Paving Co., Hamilton, O., $175,000.

Ky., Louisville—Gardiner Realty Co., 422 West Liberty St., 30,000 sq.ft. concrete sidewalks, grading and surfacing ¼ mi. road, in Garland Sub-division, West End here, to Webb-Clark Co., 422 West Liberty St., $47,000. Noted Aug. 9.

Ind., Jeffersonville—Paving Mechanic St. from 7th to 10th Sts., macadam, concrete sidewalks, to T. O'Neill, Jeffersonville. Engrs. $25,000.

Michigan—State Hy. Dept., Lansing, improving roads **(F.A.P. 89, A, B and C Calhoun means Federal Aid Project 89, Sects. A, B and C, Calhoun Co.)** grading and surfacing **2.456 mi. F.A.P. 89, A, B and C, Calhoun**, to Rockford Constr. Co., Tecumseh, 12,259 cu.yd. excav. $0.80, 3,-5 cu.yd. 1:2:4 concrete $20, 1,799 sq.yd. 7 in. rein.-con. pavement $1.55, 21,000 sq.yd. 8 in. rein.-con. $1.58, and 6,015 sq.yd. 8 in. special rein.-con. $1.80, total $57,670; **14.654 mi. F.A.P. 73, A, B, D and F, Monroe, Sect. A** to Hudson & Coons, Owasso, 35,377 cu.yd. excav. $0.53, 402 cu.yd. 1:2:4 concrete $25, 884 cu.yd. 1:3:6 concrete $19, total $50,002, **Sect B** to C. L. Dunbar, 7034 Canfield St., Detroit, 54,138 cu.yd. excav. $0.55, 382 cu.yd. 1:2:4 concrete $25, 334 cu.yd. 1:3:6 concrete $20, total $53,404, **Sect. D and F**, to Koch Building and Supply Co., Ann Arbor, 25,871 cu.yd. excav. $0.57, 225.8 cu.yd. 1:2:4 concrete $25, total $30,349; **(S.T.L. Rd 11-11, Clinton means State Trunk Line Rd. 11-11, Clinton Co.) 5.328 mi. S.T.L. Rd. 11-11 and F.A.P. 124, Clinton** to Bryan & Whitmore, Grand Ledge, 21,447 cu.yd. excav. $0.52, 23,172 sq.yd. gravel surface, Class B, $0.77, 30,819 sq.yd. gravel Class B, $0.58, total $53,144; **1.769 mi S.T.L. Rd. 11-22, Berrien**, to Woodby, Grandes & Granzon, Benton Harbor, 7,190 cu.yd. excav. $0.70, 21,102 sq.yd. 8 in. rein.-con. pavement $1.60, total $43,827; **1.121 mi S.T.L. Rd. 11-16, Emmet**, to E. Cosene, Levering, $22,251; **1.084 mi. S.T.L. Rd 17-13, Calhoun**, to Rockford Constr. Co., Tecumseh, $24,769.

Michigan—State Hy. Dept., Lansing, rejected bids Aug. 1, grading and surfacing 5.415 mi. Federal Aid Project 93, Ingham Co., 30,201 cu.yd. excav., 63,419 sq.yd. concrete pavement. Work will be done by day labor. Noted July 26.

Michigan—State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 13-15, Grand Traverse Co., 12,565 cu.yd. excav., 4,851 sq.yd. concrete and 11,583 sq.yd. gravel, to Hersey Gravel Co., Hersey, $26,918.

Ill., McClusky—Grading and concrete paving Alton-Jerseyville Rd., 18 ft., to D. C. Condin, Omaha, Neb., $99,996.

Wis., Milwaukee—Paving, etc., 1,647 cu.yd. Green Bay Ave., vibrolithic concrete, to Czerwinski Constr. Co., 378 16th Ave., $27,-412; concrete paving alleys 1,444 sq.yd. to Schwerm Bros., 50 Lee St., $4,508, 2,348 sq. yd. to F. Hildebrand, 1040 23rd Ave., $9,742, 786 sq.yd. to F. Schomann, 770 28th St., $2,206, 7,933 sq.yd. to J. Bluhm & Sons, 1298 Achilles Pl., $23,118, 2,523 sq. yd. to Bodemann Constr. Co., 691 48th St., $15,210, 746 sq.yd. to Clayton Constr. Co., 397 Farwell Ave. $3,025. Noted Aug. 2.

Ia., Jefferson—Greene Co., 8 in. rein.-con. paving, to Empire Constr. Co., 302 Flynn Bldg., Des Moines, road through Scranton, 21,208 sq.yd. concrete $2.45 and 2,905 cu. yd. excav. $0.50, road through Grand Junction, 16,123 sq.yd. concrete $2.34 and 4,978 cu.yd. excav. $0.50. Noted July 26.

Montana—State Hy Comn., Helena, grading, gravel surfacing and building culverts on 5.12 mi. Federal Aid Project 84-C, Roosevelt Co., to Fitzgerald & Staunton, 114 1st Ave., S., Great Falls, $36,885.

Mo., St. Louis—See "Proposed Work."

Mo., St. Louis—Grading, curbing and paving 26,493 sq.yd. streets in Shaws Garden Subdivision, Kentucky rock asphalt, to Webb-Kunze Constr. Co., 5927 Fyler Ave., $112,000. Engrs. est. $115,000.

Ark., Little Rock—Paving Bway. from Markham to 22nd St., Improvement Dist. 340, asphalt on concrete, storm and sanitary sewers, etc., to Gregory & Wilson, Little Rock. Engrs. est. $195,000.

Tex., Abilene—Curbing and paving 11,000 sq.yd. 7th St. and Sayles Blvd., 6 in. concrete, to Owens & Barbean, Abilene, $2.52 per sq.yd. Engrs. est. $25,000.

Tex., Center—Shelby Co. grading and gravel surfacing 3.57 mi. State Highway 35, 16 ft., to Brown & Root, Georgetown, $26,-525. Noted Aug. 2.

Tex., Ft. Worth—Paving Capps St. and Mississippi Ave., etc., 2 in. Warrenite

Streets and Roads (Continued)

bitulithic on 5 in. concrete, to West Texas Constr. Co., Cotton Exch. Bldg., $83,574.

Tex., Temple—Brick paving 8,066 sq.yd. and curbing 3,190 ft., to Panhandle Constr. Co., Lubbock, $27,000. Engrs, est. $30,000.

Oregon—State Hy. Comn., Salem, crushed rock surfacing 12.38 mi. Klamath Falls Highway, 18 ft., Klamath Co., to W. D. Miller, Klamath Falls, $55,025; widening 8.82 mi. of road bed on Swenson-Astoria Sect. Columbia Highway, Columbia Co., to J. Slotte Co., Astoria, $81,232; resurfacing 2 mi. road on Union Co., to Warren Constr. Co., 289 East Salmon St., Portland, $48,-649; constructing 4,180 ft. Taylors Ferry Highway, Multnomah Co., 22 ft., to Lundstrom & Carlson, Wircester Bldg., Portland, concrete pipe, $27,964.

Calif., El Cerrito—Improving Potrero Ave., to L. L. Page, 728 Bissell Ave., Richmond, 831 yd. roadway, cut, $0.50, 14,234 ft. sidewalk $0.20, 2,982 ft. concrete curb $0.70, 7,470 ft. concrete gutter $0.25, 30,-551 ft. 8 in. macadam $0.1325, etc. Noted Aug. 2.

Calif., Glendale—Grading, curbing, guttering and paving with 1½ in. National on 4 in. asphaltic concrete, Glendale Ave., to P. L. Ferry, 614 Acacia Ave., paving $0.23 per sq.ft. grading $0.045, guttering $0.25, curbing $0.50 per lin.ft., total $157,535. Noted Aug. 2.

Calif., Merced—Grading and paving M St. between 24th and 27th Sts., 1½ in. warrenite on 2½ in. asphaltic concrete, to Valley Paving & Constr. Co., Visalia, $58,560.

Calif., Taft—Concrete curbing, guttering and paving with 5 in. concrete 4th St. between Kern St. and north city limits, to C. W. Wimmer, Taft, $29,350. Noted June 21.

Industrial Works

PROPOSED WORK

N. Y., Brooklyn—L. Gershowitz, c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., having plans prepared 1 story, 100 x 100 ft., rein.-con., brick and steel garage, plain foundation, 1st St. $40,000.

N. Y., Buffalo—W. E. Telling, pres. Telling-Belle Vernon Co., 3825 Cedar St., Cleveland, O., plans ice cream factory, here. To exceed $100,000.

Pa., Altoona—Davis Murray Motor Co., 1921 Union Ave., plans 3 story and part basement, 25 x 100 ft. garage and 1 story, 25 x 120 ft. sales building, both concrete, brick and steel, Beals Ave. $100,000. Engineer and architect not announced.

Pa., Bellefonte — Decker Bros., North Spring St., having plans prepared 3 story and basement, 90 x 120 ft. rein.-con. brick and steel garage and service shop. $80,000. Private plans. Noted July 26.

Pa., Hoboken (Blawnox P. O.)—Comrs. Allegheny Co., Court House, Pittsburgh, having plans prepared by S. F. Heckert, Bessemer Bldg., Pittsburgh, 3 story and basement, 70 x 330 ft. concrete addition to workhouse here. $200,000.

Pa., Warren—W. H. Frest Co. having plans prepared 2 story and basement, 40 x 70 ft. brick and steel garage, Liberty Ave. $40,000. Private plans.

W. Va., Dunbar—Dunbar Flint Glass Corp. having plans prepared 1 story, 50 x 120 ft. and 1 story, 40 x 120 ft. glass plant. $125,000. Private plans.

W. Va., Martinsburg—F. Hodgson having plans prepared by H. Westenhaver, 712 South Virginia St., 3 story and basement, 74 x 79 ft. garage, brick and tile, King St. $65,000.

N. C., Charlotte—Etheredge Motor Co., 219 West 4th St., plans garage and sales room, etc. $100,000. Lockwood, Greene & Co., Piedmont Bldg., engrs.

N. C., South Rocky Mount (Rocky Mount P. O.)—Atlantic Coast Line Ry., Wilmington, soon takes bids new shop buildings, here. $500,000. J. E. Willoughby, Wilmington, ch. engr.

Tenn., Lebanon—Lebanon Woolen Mills soon takes bids addition to plant. $150,000. D. W. Southgate, Presbyterian Bldg., Nashville, engr. Noted Aug. 2.

Tenn., Pulaski—Amer. Cigar Co. plans 3 story, 50 x 150 ft., factory. $50,000.

O., Cleveland—Amer. Stove Co., 4415 Perkins Ave., had plans prepared by Carter-Richards Co., Engineers Bldg., 1 story, 72 x 132 ft., brick and steel plant addition, Hough Ave. $40,000.

O., Cleveland—Caxton Co., Caxton Bldg., plans 2 or 3 story printing plant, brick, steel and concrete, Lakeside Ave. To exceed $50,000. D. L. Smith, pres. Engineer and architect not selected.

O., Cleveland—Standard Oil Co. of Ohio, East Ohio Gas Bldg., had plans prepared 1 and 2 story, garage and pumphouse, brick, steel and concrete, Berea Rd., $40,000; also 1 and 2 story, 28 x 80 ft. and 32 x 92 ft. garage, pumphouse, stable and wagon shed, brick, steel and concrete, Babbitt Rd. and St. Clair Ave., $50,000. Private plans.

O., Cleveland—Independent Towel Supply Co., 1822 Central Ave., had plans prepared by Christian, Schwarzenberg & Gaeda, 1900 Euclid Ave., 1 story and basement, 35 x 80 ft. boiler house, brick, steel and concrete. $50,000.

Ill., Chicago—Gumbinsky Bros. Co., 2261 South Union Ave., plans paper mill, incl. group of buildings, to cover 20 acres, 31st St. and California Ave. $4,000,000, incl. $1,500,000 worth of equipment. A. Epstein, 2007 Pershing Rd., engr. B. M. Barter, Grand Rapids, Mich., mech. engr.

Ill., Freeport—W. T. Rawleigh Co., 101 South Liberty Ave., having plans prepared by J. R. and E. J. Low, 1st Central Bldg., Madison, Wis., 1 story, 100 x 110 ft. power plant, rein.-con., brick and steel. $200,000.

Wis., Cobb—O. F. Guderian and H. Terens, Markesan, plan 2 story and basement, brick, rein.-con. and stone plant, plain foundation here $50,000. Engineer and architect not selected.

Wis., Green Bay—Green Bay Sugar Co., 123 North Washington St., having plans prepared by A. Bentley & Sons Co., archts., 201-31 Belmont Ave., Toledo, O., 60 x 100 ft. warehouse, steel.

Minn., Austin — Austin Auto Co. having plans prepared 1 story and basement, 85 x 140 ft. garage, etc., brick and concrete, Lansing Ave. $45,000. Private plans.

Kan., Topeka—Illinois Power & Light Co., Illinois Merchants Bank Bldg., Chicago, plans 25,000 kw. generating plant. $3,000,-000. A. Lucas, ch. engr. W. A. Baehr, 232 South Clark St., Chicago, engr.

Kan., Topeka—Simplex Rim Co., c/o L. L. Pearce, 3824 East 1st St., Wichita, having preliminary plans prepared 2 story factory. $75,000. Private plans.

Mo., St. Louis—J. F. Queeny, 3453 Hawthorne Blvd., having plans prepared by Mauran, Russell & Cromwell, Chemical Bldg., converting Southern Hotel into garage, 6 story and basement, Bway. $175,000.

Ark., Pine Bluff—Local syndicate c/o J. E. Boyce, Chamber of Commerce, making preliminary plans 2 and 3 story, 10,000 spindle textile mill. $911,683. Private plans.

Tex., Corsicana—Navarro Ice Co. plans plant on South 12th St. along tracks Cotton Belt R. R. $100,000.

Tex., Ft. Worth—Crystal Ice Co., 301 East Magnolia St., plans plant, Arlington Heights. $60,000. Engineer and architect not announced.

Ore., Portland — Pub. Dock Comn., Spaulding Bldg., soon takes bids refrigerating plant and storage room, capable of handling 160,000 boxes of apples, on Municipal Dock 4. G. B. Hegardt, Stark St. Dock, ch. engr.

Calif., Los Angeles—A. L. Stetson, 119 Santa Fe Ave., having plans prepared by Edelman & Barnett, 726 H. W. Hellman Bldg., 4 story and basement, 86 x 260 ft. warehouse, rein.-con., 2nd St. near Santa Fe Ave. $250,000.

Calif., San Francisco — City and San Francisco Co. plan power plant, for distribution of power generated from Hetch Hetchy Project. M. M. O'Shaughnessy, city engr.

Calif., San Francisco — Hale Bros., 5th and Market Sts., had plans prepared by G. de Comesnil, Chronicle Bldg., 8 story and basement, warehouse and loft, rein.-con., Stevenson St. near 5th St. $100,000.

Que., Quebec—Quebec Liquor Comn., P O. Box 1800, Montreal, having plans prepared by Dept. Pub. Wks., Quebec, for bottling plant and warehouse, Dalhousie St. here. $500,000.

BIDS DESIRED

Va., Radford—Radford Motor Co. taking bids 1 story, 50 x 150 ft., garage, brick. Private plans.

Ala., Pell City—E. R. Bukacek receiving bids 1 story, 100 x 175 ft. garage, brick. Private plans.

O., Cleveland—H. Gaffney, treas. Alliance Lumber Co., Sloan Bldg., taking bids 1 story, 92 x 186 ft., brick and steel garage, East 101st St. $50,000. L. Skolnik, 6th-St. Clair Bldg., archt.

Ill., Anna—Aug. 20, by T. S. Thompson, archt., Carbondale, general contract 3 story, brick and rein.-con. factory, here, for Marks & Haas Clothing Co., 1300 Washington Ave. $100,000.

Ill., Chicago—M. Bonlokke, 7508 South Halsted St., receiving bids 72 x 119 ft. garage, fireproof, 7504-6 South Halsted St. $40,000. Kocher & Larson, 6250 South Halsted St., archts.

Ill., Chicago — Ronneberg, Pierce & Hauber, archts., 10 South La Salle St., receiving bids 3 story factory addition, fireproof, for D. O. James Mfg. Co., 112 West Monroe St. $50,000.

Wis., Madison—Chicago & Northwestern Ry. Co., c/o B. R. Kulp, 2015 South Blair St., taking bids 1 story, 50 x 104 ft., brick, rein.—con. and steel power house, plain foundation. $100,000. Private plans. Noted May 31.

Wis., Madison—Claude & Starck, archts., Badger Annex, taking bids 2 story and basement, 66 x 122 ft. garage, rein.-con. and brick, plain foundation, for Madison Nash Co., 155 East Wilson St. $60,000. Noted June 21.

Wis., Milwaukee — A. Seidenschwartz, archt., 290 3rd St., taking bids 1 story, 50 x 77 ft., brick and steel foundry addition, plain foundation, for Milwaukee Steel Fdry. Co., 127 South Water St. $45,000. Noted Aug. 9.

Wis., Portage—R. A. Phillips, archt., Beaver Bldg., Madison, taking bids 2 story and basement, 50 x 70 ft. garage and repair shop, brick and rein.—con., plain foundation, here, for E. Weinke, $40,000. Noted Aug. 2.

N. D., Dunseith—Aug. 28, by State Bd. Administration, Bismarck, 1 story and basement, brick power house. $40,000. Keith & Kurke, Equity Bldg., Fargo, archts.

Mo., St. Louis—H. M. Bixby, State Natl. Bank Bldg., will build 2 story, 95 x 100 ft., brick and concrete shop, Maryland St. $75,-000. Work will be done by separate contracts under supervision of P. J. Bradshaw, archt., International Life Bldg.

CONTRACTS AWARDED

Conn., Waterbury—American Brass Co., 1 story, 75 x 210 ft. garage, brick and timber, plain foundation, Freight St., to O. Lacroix Constr. Co., 95 Bank St. Archts. est. $40,000.

N. Y., Brooklyn—Bordens Farm Products Co., Inc., 110 Hudson St., 4 story pasteurization and distributing plant, brick, steel and stone, plain foundation, 3rd Ave., to Perry Reid Co., 348 West 14th St., New York City. Archts. est. $350,000.

N. Y., New York—C. S. Levy, c/o Moore & Landseidel, archts. and engrs., will build 1 story, 100 x 125 ft., brick, steel and stone garage, plain foundation, West 145th St., by day labor. $50,000.

N. Y., New York—New York World, 63 Park Row, 5 story, brick, steel and stone plant, plain foundation, 13 Frankfort St., to W. J. Brush, 32 Union Sq. Archts. est. $150,000.

Pa., Pittsburgh—W. W. Martin, 5847 Center Ave., 1 story and basement, 60 x 190 ft. concrete, brick and tile garage, Penn Ave., to J. G. McClean, 4910 Baum Blvd. Archts. est. $40,000.

O., Cleveland—Mid West Mfg. Co., 3748 East 91st St., 3 story, 48 x 120 ft., brick and steel factory addition, to Dresser-Minton Co., The Arcade. Archts. est. $50,000.

O., Cleveland—Salvation Army, c/o V. Post, 122 West 14th St., New York City, 4 story, 60 x 180 ft., brick, steel and concrete industrial building and hotel, East 55th St. near Longfellow Ave., here, general contract to Van Blarcom Co., Plymouth Bldg. Archts. est. $175,000. Noted March 15.

O., Columbus—Linde Air Products Co., 320 Dublin Ave., 1 story, 106 x 141 ft., concrete, brick and steel factory, Marion Rd., to E. H. Latham Co., 60 East Broad St., $45,000.

Ill., Chicago—H. T. Adams Mfg. Co., 6796 South Chicago Ave., 1 and 2 story, 100 x 125 ft. factory, fireproof, 8561-69 South Chicago Ave., to Carnegie Co., 189 West Madison St. Archts. est. $50,000.

Wis., Madison—University Motor Co., 2201 University Ave., will build 2 story and basement, 50 x 100 ft., garage and repair shop, brick, rein.-con. and steel, University Ave., by day labor. Noted Aug. 2.

Wis., Milwaukee—Milwaukee Tank Wks., 1615 Fratney St., 1 story, 82 x 115 ft., brick and timber shop, plain foundation, to O. C. F. Randolph, 53 West Jackson Blvd., Chicago. Archts. est. $40,000.

Mo., Pierce City—Vance Milling Co. will build 3 story and basement flourmill, 75 bbl. daily capacity, by day labor. $45,000. Private plans.

Calif., San Francisco — Williams Bros. Aircraft Corp., 1211 Van Ness Ave., 1 and 2 story, factory, concrete, 25th St. and Potrero Ave., to Lindgren & Swinerton Co., Inc., Standard Oil Bldg., percentage basis, about $40,000. Noted July 12.

Calif., Sacramento — Sacramento Pipe Wks., R St. near 7th St., 1 story plant, brick, 16th and North B Sts., to I. C. Boss, 2615 K St., $40,000. Noted Dec. 7.

Ont., Toronto—Empire Mfg. Co. Ltd., 160 John St., 7 story and basement, 44 x 122 ft. rein.-con. and brick factory, plain foundation, Spadina Ave., general contract to L. E. Dowling Co., 167 Yonge St. Archts. est. $200,000.

Buildings

PROPOSED WORK

Mass., East Boston (Boston, P. O.)—High School—City of Boston, City Hall, Boston, having plans prepared by J. Gray, 175 High St., Boston, rein.-con. and brick, wood pile foundation, probably 4 story, East Eagle St., here. $1,000,000.

Mass., Hyde Park (Boston, P. O.)—Police Station—Pub. Wks. Dept., Boston, soon takes bids 2 story and basement, 79 x 140 ft., brick and granite with Indiana limestone trimmings, pile foundation, Hyde Park Ave. $200,000. Maginnis & Walsh, 100 Boylston St., Boston, archts. Noted Apr. 4.

Mass., Pittsfield—Church—Unity Church Society having sketches made by Harding & Seaver, 7 North St., for church. $200,000. E. J. Moses, 43 Linden St., pastor.

R. I., Providence—School—Commissioner of Educ., State House, having plans prepared by W. R. Walker & Son, 49 Weybosset St., 3 story and basement, 60 x 200 ft., yellow brick, plain foundation, Gaspee St. $400,000.

Conn., Bristol—School—School Dist. 3 plans 2 story, 25 rooms, brick, plain foundation. $200,000. E. H. Funk, 83 Prospect St., chn. building com. H. A. Hayden, 175 Main St., archt.

N. Y., Brooklyn — Hotel — St. George Hotel, Henry and Clark Sts., having plans prepared by E. Roth, archt. and engr., 119 West 40th St., New York, 12 story, brick and steel addition, plain foundation.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., P. S. 63, brick, steel and stone, plain foundation, Williams St., here. $700,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, soon takes bids P. S. 28, 5 story, brick, steel and stone, Herkimer and Fulton Sts., here. $850,000. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. and engr.

N. Y., Flushing—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Concord St. and Flatbush Ave. extension, Brooklyn, P. S. 107, brick, steel and stone, plain foundation, Franconia Ave., here.

N. Y., New York—Apartment—Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., preparing plans 5 story, brick, steel and stone, plain foundation, 128th St. and St. Nicholas Ave. $250,000. Owner's name withheld.

N. Y., New York — Apartment — C. I. Weinstein Building Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Pinehurst Ave. $150,000.

N. Y., New York—Loft—M. Blumenstock, c/o Shampan & Shampan, archts. and engrs., 188 Montague St., Brooklyn, having plans prepared brick, steel and stone, plain foundation, 250 West 37th St., here. $1,000,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon takes bids brick, steel and stone addition to P. S. 10, Lexington Ave. and 111th St. $750,000. W. H. Gompert, Fatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

D. C., Wash.—Hotel—Harrington Hotel Co., 11th and E Sts., N.W., having plans prepared by A. B. Fitz Simons, Colorado Bldg., for hotel addition. $400,000.

N. C., Hickory—High School—Voted $250,000 bonds for high school, on Claremont College property. Noted Aug. 9.

N. C., Wilson—Courthouse and Jail—Wilson Co. had plans prepared by A. Bishop, Petersburg, Va., courthouse and jail, sandstone marble, Nash and Tarboro Sts. $200,000. Noted June 21.

Ky., Louisville—School—City election in November to vote on $1,000,000 bonds for schools.

O., Canton—Lodge and Store—Eagles Lodge, 335 Tuscarawas St. W., plans 6 story, 100 x 110 ft., Market Ave. S. $200,000.

O., Cleveland—Apartment Hotel—I. Margolin, 2496 Derbyshire Rd., having plans prepared by M. Weis, 617 Union Bldg., 6 story and basement, brick, steel and concrete, 3701 Euclid Ave. $350,000.

O., Cleveland Heights (Warrensville P. O.) — Commercial and Apartment — J. Laronge, 214 Williamson Bldg., Cleveland, plans 4 story, brick and steel, Coventry Rd., here. $250,000. Engineer and architects names withheld.

O., Ravenna—Commercial and Theatre—P. E. Robinson, 627 Bulkley Bldg., Cleveland, had plans prepared by Crosby Eng. Co., 627 Bulkley Bldg., Cleveland, 4 story, 55 x 100 ft., brick, steel and concrete, here. $150,000.

O., Warren—Hotel—Warren Hotel Co., c/o P. E. Robinson, 627 Bulkley Bldg., Cleveland, had plans prepared by Crosby Eng. Co., Bulkley Bldg., Cleveland, 12 story, 81 x 176 ft., brick, steel and concrete. $1,000,000.

Ill., Waukegan—Hotel—T. Durke, Waukegan, plans 4 story, fireproof, Greenwood Ave. along tracks Chicago & Northwestern Ry, here. $150,000. P. Gerhardt, 64 West Randolph St., archt.

Wis., Madison—Hospital—Madison Lutheran Hospital Assn., 729 East Gorham St., having plans prepared by F. Riley. Conklin Bldg., 4 story, hospital and sanitarium, brick, rein.-con. and steel, plain foundation, Chandler St. $200,000.

Wis., Milwaukee—Dormitory, etc.—Concordia College, c/o G. Barth, pres., 3127 State St., plans 2 and 3 story, brick and concrete, plain foundation, 31st St. $300,000. Engineer and architect not selected.

Wis., Milwaukee—Lodge—Ku Klux Klan, c/o W. F. Wieseman, 1037 39th St., plans brick and concrete, plain foundation. $500,000. Engineer and architect not selected.

Wis., Sheboygan—Office and Lodge—Bowler Realty Co., c/o T. M. Bowler, pres., North 8th St., plans 4 story and basement, 75 x 190 ft., brick, rein.-con. and steel, plain foundation, Center and 8th Sts. Engineer and architect not selected.

Kan., Topeka — Office — First Baptist Church, 9th and Jackson Sts., having preliminary plans prepared 10 story and basement, 75 x 110 ft., rein.-con., brick and steel, concrete pile foundation, Jackson St. $250,000. Private plans.

Mo., St. Louis—Office—Industrial Loan Co., 714 Chestnut St., having preliminary plans prepared 19 story and basement, 82 x 85 ft., rein.-con., brick and steel, concrete piles foundation, Chestnut St. $1,000,000. Private plans.

Tex., San Antonio—Church—First Baptist Church plans 1 story and basement, 80 x 140 ft., rein.-con. stone and brick, 4th and Taylor Sts. $175,000. W. E. Simpson Co., N. B. of C. Bldg., engr. Architect to be selected within few days.

Tex., Temple—Schools—Election in September to vote on $325,000 bonds for various new schools. Address Bd. Educ., c/o O. F. Gober. Engineer and architect not selected.

Okla., Tulsa—Office—A. W. Hailey, c/o 1st Natl. Bank, Natl. Bank Bldg., had plans prepared by Rush, Endicott & Rush, 101 Lorton Bldg., 5 story and basement, 75 x 140 ft., rein.-con., brick and stone. $150,000.

Calif., Fresno—Office—W. B. Holland, Fresno and L Sts., having plans prepared by R. L. Felchlin Co., Bank of Italy Bldg. 4 story addition, fireproof, L and Fresno Sts. $150,000.

Calif., Glendale—Hotel—Glendale Hotel Co., Inc., having plans prepared by A. F. Priest, 716 Fay Bldg., Los Angeles, 5 story, 103 x 150 ft., brick, California St. and Brand Blvd. $300,000. Noted July 12.

Calif., Los Angeles—High School—City having plans prepared by E. H. Cline, 743 North Wilton Pl., high school, Boyle Heights. To exceed $250,000.

Calif., Los Angeles—Loft—Newmark & Co., c/o W. D. Lee, archt., Sun Bldg., having preliminary plans prepared for loft, about 6 story, rein.-con., East 7th St. To exceed $300,000.

Calif., Los Angeles—Store and Apartment—A. O. Evans, c/o W. Allen, archt., Bank of Italy Bldg., having plans prepared 3 story and basement, brick, 35th St. and Vermont Ave. $175,000.

Calif., Los Angeles—Store and Loft—A. C. Blumenthal, Loew State Bldg., plans 8 or 9 story, fireproof, Bway. near 9th St. To exceed $500,000. Engineer and architect not selected.

Calif., Oakland—Office—Alameda Co. Builders Exchange, 351 12th St., plans 100 x 125 ft., fireproof, Hobart and Webster Sts. $150,000 or more. Engineer and architect not selected.

Calif., Vallejo—Bank—Central Commercial Bank, had plans prepared by Hermann Safe Co., 216 Fremont St., San Francisco, 1 story and basement, rein.-con. and steel, Georgia St. $150,000.

Ont., Toronto — Convent — Sisters of Loretto, 403 Wellington St. W., having plans prepared by J. P. Hynes, 73 King St. W., 3 story and basement, rein.-con., brick and steel, plain foundation, Yonge St. $500,000. Noted Aug. 9.

BIDS DESIRED

N. Y., Eastview—Chapel—Sept. 5, at office of F. L. Merritt, clk. Westchester Co., Court House, White Plains, chapel, here. Walker & Gillette, 128 East 37th St., New York City, archts.; adv. E. N.-R. Aug. 16.

N. Y., New York — Apartment — Six Thirty West 170th St. Corp., c/o G. M. Miller, archt. and engr., 1482 Bway., will build 6 story, 75 x 100 ft., brick, steel and stone, plain foundation, 624 West 170th St. $200,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Police Station—Aug. 21, by R. E. Enright, police comr., at bookkeepers office, 240 Centre St., new 42nd Precinct Police Station House and garage, Wadsworth Ave. and West 182nd St. Noted Nov. 9.

N. C., Kinston—Institutional—Aug. 29, by C. B. McNairy, supt. Caswell Training School, constructing hospital, boys industrial building, girls industrial building, cold storage plant, mule barn and implement shed. H. A. Underwood, 916 Commercial Bank Bldg., Raleigh, engr.

N. C., Wake Forest—Dormitory—Aug. 18, by Building Com. Wake Forest College, constructing dormitory, brick. $150,000. Wilson & Berryman, Columbia, S. C., archts.

Ky., Murray—School—Aug. 27, by State Normal School Comn., Frankfort, 3 story, 60 x 120 ft., brick, Tudor Gothic style, here. $150,000. Joseph & Joseph, Francis Bldg., Louisville, archts.

O., Cleveland—Commercial—Aug. 17, by Watson Co., archts., 4614 Prospect Ave., 2 story (ultimately 8 story) and basement, 66 x 189 ft., brick, steel and concrete, Euclid Ave. near East 18th St., for Rogers Building, c/o J. J. Callow. 1900 Euclid Bldg. $150,000.

O., Portsmouth — Hotel — H. K. Hempstead, (owner) and De Voss & Donaldson, archts., Portsmouth, taking bids Hempstead Hotel, 2 story, 75 x 77 ft. and 1 story, 60 x 77 ft., brick, stone and concrete. $150,000.

Mich., Iron River—School—Aug. 28, by D. B. Henley, secy. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000. Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., Detroit, archts.

Ill., Chicago—Apartment—A. L. Himelblau, archt., 30 North Dearborn St., receiving bids 4 story, 120 x 250 ft., fireproof, Howard and Marshfield Sts., for F. H. Janiszeski, 1373 West Chicago Ave. $500,000.

Ill., Chicago—Apartment—Owner, c/o A. R. Grant, 7033 Sheridan Rd., receiving bids 3 story and basement, 120 x 200 ft., fireproof, Simpson and Ridge Sts. $250,000. R. F. France, 155 North Clark St., archt.

Ill., Chicago—Apartment—A. H. Quitsow, archt., 11 South La Salle St., receiving bids 3 story and basement, 100 x 149 ft., fireproof, Greenleaf and Winthrop Sts. $200,000. Owners name withheld.

Ill., Chicago — Apartment-Hotel — G. G. and E. O. Anders, c/o T. R. Bishop, archt., 35 South Dearborn St., receiving bids 5 story, 150 x 150 ft., fireproof, 5474-84 Cornell Ave. $1,000,000.

Ill., Duquoin — Church — Aug. 20, by Dougherty & Gardner, archts., Stahlman Bldg., Nashville, 2 story, 97 x 118 ft., rein.-con., brick and stone, here, for First Baptist Church. $150,000. Noted July 12.

Wis., Milwaukee—School—Aug. 30, by School Bd., 3 story and basement, 130 x 157 ft., brick, tile and concrete, plain foundation, Franklin St. $475,000. Van Ryn & De Gelleke, 114 Grand Ave., archts.

Mo., Sedalia—High School—Sept. 15, by Bd. Educ., 3 story, 185 x 190 ft., rein.-con., brick and stone. $400,000. W. T. Bast, Sedalia, archt. W. B. Ittner, 911 Locust St., St. Louis, associated archt. Noted Dec. 14.

Tex., Denton—Administration—Aug. 25, by M. O. Flowers, pres. Bd. Regents Texas State Teachers College, at Galvez Hotel, Galveston, 3 story, rein.-con., stone and brick, here. $300,000. C. H. Page & Bro., Austin Natl. Bank Bldg., Austin, archts.

Okla., Ponca City—Lodge—Ponca City Lodge 83 A. F. & A. M., receiving bids 5 story and basement, 50 x 140 ft., rein.-con., brick and stone. $200,000. Smith & Senter, 401 Commerce Investment Bldg., Okmulgee, archts.

Calif., San Diego—Aug. 25, by Army and Navy Y. M. C. A., concrete and steel, on full block fronting on Bway. $550,000. L. Rogers, Spreckels Bldg., archt. Noted Nov. 16.

BIDS RECEIVED

N. Y., Kew Gardens (Jamaica, P. O.)—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn. Aug. 8. P. S. 99, Kew Gardens Rd. from 82nd Rd. to 83rd Ave., here, from G. F. Driscoll, 115 Schermerhorn St., Brooklyn, $364,990. Noted Aug. 2.

N. Y., Syracuse—School—Bd. Contr. & Supply, general contract Danforth Normal School, 2 story and basement, 166 x 256 ft., West Kennedy St., from Dawson Bros., Union Bldg., limestone $295,300, terra cotta $293,330; heating from J. R. Sheehan Co., $42,890. Noted July 19.

Calif., Los Angeles—High School—Bd. Educ., constructing Fremont High School, brick and rein.-con., 79th and South Park Sts., from J. C. Bannister, 903 North Mariposa Ave., $424,970. Noted July 12.

Buildings (Continued)

CONTRACTS AWARDED

Conn., Bristol — Church — St. Josephs Church, 60 x 170 ft. brick and stone, plain foundation, to G. L. Lacourse, George St. Archts. est. $200,000. Noted June 7.

N. Y., Mineola—Hospital—Nassau Hospital, 5 story, brick, steel and stone addition, plain foundation to Wills Eagelholf Co., 101 Park Ave., New York City. Archts. est. $350,000. Noted Nov. 16.

N. J., Oakland—Seminary—Home Mission Seminary, c/o Reilly & Hall, archts. and engrs., 405 Lexington Ave., New York City, 2 story, 50 x 150 ft., brick, steel and stone, plain foundation, here, to E. M. Waldron, 27 Central Ave., Newark.

Pa., Franklin—Bank—Exchange Bank of Franklin, 3 story and basement, 68 x 85 ft., limestone, brick, granite and concrete, 13th and Liberty Sts., to Hunkin-Conkey Constr. Co., New Century Bldg., Cleveland, O. Archts. est. $250,000. Noted July 5.

Pa., Harrisburg—Hotel—Penn Harris Hotel Co., c/o W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, 12 story and basement, 30 x 200 ft. concrete, brick and steel addition, to Hunkin-Conkey Constr. Co., Century Bldg., Cleveland, O. Archts. est. $800,000. Noted Apr. 26.

Md., Baltimore — Business — Southern Supply Co., Calvert and Saratoga Sts., 4 story, 78 x 100 ft., concrete, 315-19 North Calvert St., to Consolidated Eng. Co., Calvert Bldg., $150,000. Noted July 19.

O., Cleveland—Hotel—See "Industrial Works."

Ill., Chicago — Store, Office and Hall — Owner, c/o S. J. Robbins, 140 North Dearborn St., 2 story, 156 x 225 x 350 ft., fireproof, Milwaukee and Lundale Aves., to McKeown Bros., 112 West Adams St. Archts. est. $1,250,000.

Wis., Weyauwega — High School — Bd. Educ., 2 story and basement, 60 x 115 ft., brick, rein.-con. and steel, plain foundation, to F. C. Lemke, Clintonville. Archts. est. $150,000. Noted July 12.

Ia., Conrad—School—Bd. Educ., general contract 3 story and basement, rein.-con., brick, tile and stone, to Spencer Constr. Co., Spencer, $109,400. Noted July 19.

Wyo., Cheyenne—School—School Bd., 2 story and basement, brick and steel, 8th and Warren Sts., to Adams & McCann, Wheatland, $172,750.

Mo., St. Louis—Office and Store—T. P. Saum, 711 Chestnut St., will build 2 story and basement, 100 x 100 ft., brick and stone, Delmar Blvd., by day labor. $150,000.

Calif., Alameda—Bank and Office—Citizens Bank of Alameda, 1500 Park St., 2 story, rein.-con. addition, Park St. and Santa Clara Ave., to W. Knowles, Central Bank Bldg., Oakland, $150,000.

Calif., Los Angeles—Apartment—J. Fitch, c/o contractor, 4 story and basement, brick, Lake and 11th Sts., to Richardson Building & Eng. Co., 141 North Larchmont Blvd., $160,000. Noted June 14.

Calif., Los Angeles—Hotel and Store—Stedman Co., c/o contractors, 5 story and basement, rein.-con., East 7th St., to Bushnell & Palmer, 517 Grosse Bldg., to exceed $150,000.

Calif., Los Angeles—Store—May Co., c/o A. C. Martin, archt., Higgins Bldg., 9 story and basement, fireproof, Hill St., to MacDonald & Kahn, Loew State Bldg., percentage basis. About $1,000,000.

Calif., Los Angeles—Store and Loft—Revolving Fund Corp., Van Nuys Bldg., 6 story and part basement, 100 x 160 ft., rein.-con. and brick, Winston and San Pedro Sts., general contract to C. L. Peck, H. W. Hellman Bldg., $150,000. Noted Aug. 2.

Calif., Sacramento—Store—Hale Bros., K and 9th Sts., 3 story, rein.-con. addtion, to W. Thelbahr, 12th St. Rd., $150,000. Noted Aug. 9.

Calif., San Francisco—Apartment—A. Driscoll, c/o S. Schnaittacher, archt., 233 Post St., 5 story, concrete and steel, Geary and Leavenworth Sts., general contract to W. Martin, 180 Jessie St., $150,000. Noted July 26.

Ont., Hamilton—Office—J. E. Lister, Old Spectator Bldg., 8 story and basement, rein.-con., brick and steel, plain foundation, James St., general contract to Pigott-Healy Constr. Co., 36 James St. S. Archts. est. $400,000. Noted June 7.

Federal Government Work

PROPOSED WORK

Wis., Sheboygan—Heating Plant—U. S. Coast Guard, plans 75 x 110 ft. heating plant, incl. boilers, at Coast Guard Station, here. G. W. Kruelle, supt.

Tex., Corpus Christi — Dredging — U. S. Engineer, Galveston, plans dredging 25 mi. ship channel from jetties at Aransas Pass to Corpus Christi. L. M. Adams, dist. engr.

Wash., Puget Sound—Radio Masts—Spec. 4897—Bureau Yards & Docks, Navy Dept., Wash., D.C., plans three 200 ft. radio masts, here.

P. I., Cavite—Reconstruction of Wharf—Spec. 4896—Bureau Yards & Docks, Navy Dept., Wash., D.C., plans reconstructing station wharf, here.

BIDS DESIRED

Tex., Galveston—Dredging—Sept. 11 at office U. S. Engineer, dredging Sabine-Neches Waterway; adv. E. N.-R. Aug. 16.

Calif., Oakland — Dredging — Sept. 6 at office U. S. Engineer, Custom House, San Francisco, dredging Area A, 475,000 yd.; B, 150,000 yd.; C, 150,000 yd., in harbor, here.

Alaska, Wrangell—Breakwater—Aug. 31, at office U. S. Engineer, Juneau, 300 ft. breakwater, here. J. G. Steese, dist. engr.

BIDS RECEIVED

Mich., Alpena—Breakwater—U. S. Engineer, 337 Federal Bldg., Detroit, furnishing and placing 11,700 ton core stone and 10,380 ton armor stone, for rubble mound breakwater, here, from T. L. Durocher, Detour, 3.47 per ton, total $76,340. Noted July 12.

California — Road — U. S. Bureau Pub. Rds., 9 Main St., San Francisco, grading and surfacing 15.5 mi. Murphy-Big Trees National Forest Highway, Calaveras Co., (1) 14 ft. roadway, 105,000 cu.yd. excav., 330 cu.yd. Class A and 340 cu.yd. Class C concrete, 34,100 lb. reinforcing, 5,040 lin.ft. corrugated metal pipe, 19,700 cu.yd. crushed rock, etc., (2) 18 ft. roadway, 157,000 cu. yd. excav., 360 cu.yd. Class A and 340 cu.yd. Class C concrete, 37,300 lb. reinforcing, 5,400 lin.ft. corrugated metal pipe, 26,300 cu.yd. crushed rock, etc., from J. P. Holland, 540 Brannan St., San Francisco, (1) $294,893 (2) $384,575.

CONTRACTS AWARDED

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, furnishing yellow pine lumber for Dam 45, Ohio River, f.o.b. Addison, to Nicola, Stone & Meyers Co., Hattiesburg, Miss., 110,000 ft. at average $36 per M., total $3,960; to H. A. Hollowell & Co., Harrison Bldg., Cincinnati, O., 68,000 ft. average $36 per M., total $2,450.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, furnishing 240,000 ft. yellow pine No. 2, common or better, for Dam 46, Ohio River, 1,760 pieces 2 x 12 in. x 22 ft., 1,100 pieces 1 x 4 in. x 12 ft. and 4,000 pieces 1 x 4 in. x 18 ft., to Allied Sales Corp., Tuscaloosa, Ala., $8,939. Noted Aug 9.

Ky., Louisville—Rods, Steel, etc.—U. S. Engineer, P. O. Box 72, furnishing 900 reinforcing bars, concrete reinforcing chairs and accessories, for power house at Dam 44, Ohio River, to Concrete Steel Co., Guard Bldg., Cleveland, O., $0.0812 per lb. Noted Aug. 2.

Tex., Rockport — Breakwater — U. S. Engineer, Galveston, rock breakwater, here, to D. M. Picton & Co., Port Arthur, Engrs. est. $50,000.

Calif., San Diego—Reod—Spec. 4844—Bureau Yards & Docks, Navy Dept., Wash., D.C., road at Training Station, Naval Base, here, to Union Constr. Co., foot of 14th St., Oakland, $5,990. (60 days). Noted Aug. 2.

Miscellaneous

PROPOSED WORK

Park Development—New Britain, Conn.—Bd. Park Comrs. plans development Willow Brook Park, inc. drainage system, fencing, etc. $85,000. L. D. Williams, city engr.

Swimming Pool and Pavilion—Pittsburgh, Pa.—Da-Swi-Di Country Club, Pittsburgh, plans 120 x 380 ft. swimming pool and 2 story, 62 x 182 ft. pavilion incl. offices, dance hall, etc. $150,000. W. Bintz, Lansing, engr.

Transmission Line—Kentucky—Kentucky Utilities Co., Marion E. Taylor Bldg., Louisville, plans 66,000 volt transmission line from Pineville to Danville, near proposed site of Dix River dam, about 95 mi. $900,000.

Levees—Wisconsin—State appropriated $50,000 to strengthen and rebuild levees on Fox and Wisconsin Rivers, Fond du Lac and Winnebago Counties. J. D. Mack, State Capitol, Madison, engr.

Spray Pond—Leavenworth, Kan.—Kansas Electric Power Co., 4th and Choctau Sts., having preliminary plans prepared 96 x 187 ft. concrete spray pond. $32,500. Private plans.

Levee—Edinburg, Tex. — Hidalgo Co. election Aug. 13, to vote on $2,600,000 bonds for levee, drainage ditches, etc. J. C. Epperson, co. judge.

Pipe Line—Rockdale, Tex.—Owens Refining & Pipe Line Co. plans pipe line extension in Rockdale oil fields. $25,000. Private plans.

Levee — Waxahachie, Tex. — Ellis Co. Impvt. Dist., 11, defeated $52,000 bonds to relaim 1,500 acres, levees on North Side Chambers Creek. Noted June 28.

Gravel Pit — Livermore, Calif. — Kaiser Paving Co., 1st Natl. Bank Bldg., Oakland, plans gravel pit. Cost incl. equipment $75,000.

Electrolier System — Taft, Calif. — Will vote on bonds for electrolier system. To exceed $25,000. E. M. Lynch, Central Bldg., Los Angeles, engr.

Electrification of Railways — British Columbia—Canadian Pacific Ry., Windsor St. Sta., Montreal, Que., having surveys made for electrification of Mountain Division, here. Work includes dams, water power, etc. J. M. R. Fairbairn, ch. engr.

BIDS DESIRED

Changes to Railroad Structure—Brooklyn, N. Y. — Aug. 23, by Transit Comn., 49 Lafayette St., New York City, making changes in railroad structure to provide for crossover, Route 8, Sect. 5, Bushwick Ave., here, Agreement "CP." G. McAneny, chn.

Heating and Ventilating Apparatus—New York, N. Y.—Aug. 23, by Park Bd., Municipal Bldg., heating and ventilating apparatus for Wings J and K of Metropolitan Museum of Art. F. D. Gallatin, pres.

Grain Elevator—Oswego, N. Y.—Sept. 11, by E. S. Walsh, supt. Pub. Wks., Albany, constructing and equipping grain elevator, here; adv. E. N.-R. Aug. 16.

Swimming Pool — Frankford (Phila. P. O.), **Pa.**—Aug. 14, by Bureau Recreation, City Hall, Phila., swimming pool at Hedge and Orthodox Sts., here, also one at 32nd and Ridge Sts. B. H. Warburton, Phila., dir. pub. welfare.

Dock and Yacht Basin—Sanford, Fla.—Aug. 27, by W. B. Williams, city mgr., dock and yacht basin. $67,000. F. T. Williams, Sanford, engr. Noted July 26.

Steam Piping—Milwaukee, Wis.—Aug. 24, by J. H. Fowles, secy. Sewerage Comn., 508 Market St., high pressure steam piping at boiler and power house on Jones Island. T. C. Hannton, c/o owner, engr.

Wharves—Houston, Tex.—Houston Port Dist. taking bids 1,720 ft. wharves north side of Turning Basin Ship Channel No. 10-11-12. $4,000 000. J. C. McVea, city engr. Howe & Wise, Houston, co. engrs.

Volt Insulators—Melbourne, Australia—Oct. 6, by R. Liddelow, secy. State Electricity Comn. of Victoria, 22-32 William St., Melbourne, Victoria, for 22,000 volt insulators for Morwell Power Scheme, Spec. 23/117; adv. this issue.

CONTRACTS AWARDED

Heating Work—Syracuse, N. Y.—G. R. Lunn, lieutenant governor, pres. State Fair Comn., 428 South Salina St., heating work for coliseum, New York State Fair Grounds, to W. George & Co., Inc., 122 North Warren St., $25,170. Noted July 26.

Swimming Pool—New Orleans, La.—New Orleans Country Club, Metarie Ridge, 40 x 120 ft. rein.-con. swimming pool, to Doullut & Williams, Inc., 816 Howard Ave., $60,000. Noted May 24.

Train Shed and Loading Platform—Cleveland, O.—Fisher Body Ohio Co., General Motors Bldg., Detroit, Mich., 1 story, 78 x 562 ft., brick and steel train shed and loading platform, East 140th St. and Colt Rd., here, to Austin Co., 16112 Euclid Ave. Archts. est. $150,000. Noted July 26.

Grand Stand—Cedarburg, Wis.—Ozaukee Co. Fair Assn., grand stand, steel frame, wooden seats, to Lakeside Bridge & Steel Co., North Milwaukee. Engrs. est. $30,000.

Golf Links, etc. — Nakoma (Madison P. O.) **Wis.**—Nakoma Golf Club, c/o F. G. Blum, secy., 1st Central Bldg., 18 hole golf course, tennis courts, baseball fields, etc., to Amer. Park Builders Co., 201 East Ontario St., Chicago. Noted Aug. 2.

Electrolier System—Fresno, Calif.—Installing electroliers in various streets, to Robinson Electric Co., 1162 Bway., $30,900. Noted July 26.

Cement—Napa, Calif.—Napa Co., 3,000 bbl. cement, to F. G. Noyes, and Napa Lumber Co., Napa, $3.11 per bbl. 1,500 bbl. to each contractor. Noted July 12.

Grain Elevator — Midland, Ont. — C. J. Smith, genl. mgr. Canadian Natl. R.R., 230 St. James St., Montreal, Que., 2,225,000 bu. rein.-con. addition to Tiffin Elevator 2, to Fegles Constr. Co., Ft. William. Noted July 5.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by [illegible] bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Aug. 23.

Completion of Office Building

PROPOSALS FOR COMPLETING OFFICE BUILDING IN CAPITOL PARK, HARRISBURG, PENNA., AS AUTHORIZED BY AN ACT APPROVED THE 18TH DAY OF JULY, 1919.

Harrisburg, Pa.

Sealed proposals will be received by the Secretary of the Department of Property and Supplies at his office in the Capitol Building, Harrisburg, Pa., until 10 o'clock A.M. standard time, Thursday, August 23rd, 1923, for completing the New South Office Building as called for in the plans and specifications prepared by Arnold W. Brunner, Architect, as follows:

Contract No. 3. Exterior Stone Balustrade and pavement for terraces. Interior cement, marble, terrazzo, cork and wood floors. Brick and hollow tile walls and partitions. Plain and ornamental plastering. Bronze and iron elevator enclosures, stairs, etc Kalemeine doors and finish; carpenter work. Painting, hardware, marble, etc.
Contract No. 4. Heating and Ventilating.
Contract No. 5. Electrical Work.
Contract No. 6. Plumbing and Drainage.
Contract No. 7. Vacuum Cleaning System.
Contract No. 8. Drinking Water Refrigeration System.
Contract No. 9. Electric Elevators and Lifts.

Plans, specifications and proposal blanks can be secured by prospective bidders by applying to the Secretary of Property and Supplies, Harrisburg, Pa., or to Arnold W. Brunner, Architect, 101 Park Avenue, New York City, and stating the contract number upon which they desire to bid and depositing $10.00 which will be returned upon the return of the plans and specifications in good order. Bidders desiring to bid on more than two numbers can secure three or more numbers by depositing $25.00.

Proposals will be publicly opened and read at 12 o'clock noon, standard time, on the day proposals are due.

Each proposal must be accompanied by a certified check in amount called for in printed form Instructions to Bidders.

The successful bidder will be required to execute and furnish to the Commonwealth of Pennsylvania a Surety Company Bond in a sum equal to fifty (50%) per cent of the contract price.

The Commonwealth of Pennsylvania reserves the right to reject any or all bids, or any items or parts of bids.

BERKEY H. BOYD, Secretary,
Department of Property and Supplies.

Bids: Sept. 5.

Sprinkler System

White Plains, N. Y.

Sealed bids or proposals for the construction of a Sprinkler System in the County Home Buildings at Eastview, N. Y., will be received at the office of the Clerk of the Board of Supervisors, Court House, White Plains, N. Y. until 11 A.M. (Daylight Saving Time), Sept. 5th, 1923.

Plans, specifications, proposal sheets and all information relative to same, may be procured from Sprague & Slocum, Construction Engineers, No. 50 East 41st Street, New York City, or from Fred L. Merritt, Board of Supervisors, Court House, White Plains, New York, upon making a deposit of $25 which will be returned upon the return of plans of specifications.

Board of Supervisors,
FRED L. MERRITT, Clerk.

OFFICIAL PROPOSALS

Bids: Sept. 5.

Building Construction, etc.

Letchworth Village, Thiells, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work—Completion of Assembly Hall and Industrial Building (Girls' Group), at Letchworth Village, Thiells, N. Y., will be received by Mr. Mortimer B. Patterson, President of the Board of Managers of Letchworth Village, at No. 7 Wall St., New York City, until 11 o'clock A.M. (Standard Time), Wednesday, September 5, 1923, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit, consisting of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money, equal to five per cent (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within (30) thirty days after official notice of award of contract, and in accordance with the terms of Specifications Nos. 4102, 4103, 4104 and 4105. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Letchworth Village, Thiells, N. Y., at No. 7 Wall St., New York City; at the New York office of the Department of Architecture, 18th floor, Fuller Building, Broadway and 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: August 2, 1923.

Bids: August 28.

Road Work

Pensacola, Fla.

Sealed proposals will be received by the Board of County Commissioners of Escambia County, Florida at Pensacola, Florida until 10 o'Clock A.M., August 28th, 1923 for constructing approximately 7 miles of reinforced concrete paved road with necessary grading and structures.

Plans and specifications may be obtained from the Circuit Clerk of Escambia County, Pensacola, Florida. A deposit of $5.00 will be required for each set of plans and specifications furnished, to be refunded on return of same.

Board of County Commissioners of
Escambia County, Florida.
WINSTON E. WHEAT,
County Engineer.

Bids: Sept. 5.

Erection of Chapel

White Plains, N. Y.

Sealed bids or proposals for the erection of a new County Chapel at Eastview, N. Y. will be received at the office of the Clerk of the Board of Supervisors, Court House, White Plains, N. Y., until 11 A.M. (Daylight Saving Time), Sept. 5th, 1923.

Plans, specifications and all information relative to the same may be procured from Walker and Gillette, Architect, No. 128 East 37th Street, New York City, or from Fred L. Merritt, Clerk of the Board of Supervisors, Court House, White Plains, N. Y.

Dated August 8, 1923.

BOARD OF SUPERVISORS,
FRED L. MERRITT, Clerk.

OFFICIAL PROPOSALS

Bids: Aug. 27.

Abutments and Approaches for Bridge

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Construction of new abutments and approaches for Bridge No. 43, at M. P. 100.9 on State Highway Route No. 4, over Lupatcong Creek, in the municipality of Keyport, County of Monmouth, State of New Jersey.

Bids for the above will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, August 27th, 1923, at 11:30 A.M., Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond form for the proposed work are on file in the office of John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work, same to be enclosed in sealed special addressed envelopes, bearing the name and address of the bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, New Jersey. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Aug. 22.

Pier

Charleston, S. C.

Sealed proposals will be received by the Port Utilities Commission of Charleston, S. C., at its office, Room 712, Peoples Building, until noon, August 22, 1923, and then publicly opened, for constructing Union Pier on Cooper River, Charleston, S. C. Alternate bids are invited on concrete and creosoted piles.

Specifications and proposal forms will be furnished to prospective bidders on deposit of $5, which will be refunded to depositors who submit proposals or return sets in good condition. Further information on application.

H. M. GALLAGHER,
General Manager.